



ULTRA-HIGH-PERFORMANCE TOOLS  
TO TACKLE THE MOST DEMANDING  
COMMERCIAL APPLICATIONS.



**100% Battery. Power. Productivity.**

2026 CATALOGUE

## ACCELERATING CHANGE, POWERING THE FUTURE.

“ As a global leader in battery outdoor power equipment, we are constantly pushing the boundaries of performance and productivity through innovation and technology. ”

**Yin Chen** Group Chairman and CEO  
Globe Technologies



Battery technology has been at the core of our DNA since the company was founded 20 years ago with a focused battery-first approach. Now Globe Technologies is at the forefront of innovation, reaching major milestones, setting new industry-trends, and pushing the boundaries of what cordless products can do.

Our mission is to facilitate the world's transition to sustainable energy through innovative products for people's daily lives. All with the vision to build a more powerful future for everyone, with clean energy.

As a global leader in battery outdoor power equipment, we are constantly pushing the boundaries of performance and productivity through innovation and technology. At Globe Technologies we believe cordless has no limits, and we will continue to set new standards in lithium-ion battery and brushless motor technology.

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# Globe Technologies

## Global Expertise

We are a global leader in the battery outdoor power equipment market.

All our products are designed and developed at our research and development facilities in Jönköping, Mooresville and Changzhou.

With cutting-edge technology combined with our global reach, we drive the development of high-performing, powerful and durable battery power equipment forward.

We offer revolutionary power, innovation, and intelligent solutions to meet the evolving demands of both professionals and private individuals across the world.



### Industrial Design

Our Industrial design teams in Europe, America, and Asia offer diverse perspectives, and seamlessly blend aesthetics with functionality to drive the future of design, ensuring that our products stand out in competitive markets.



### R&D

Our R&D centres are hubs of innovation, where teams collaborate on creating groundbreaking solutions and leading the way in delivering exceptional performance and value to our customers. We push boundaries every day, ensuring our products remain at the forefront of industry trends and innovations.

### Product Development

The product development teams transform ideas into market-ready solutions. They combine cutting-edge technology with extensive industry knowledge, ensuring our products meet the highest standards of quality and meet the ever-evolving needs of our customers.



### Engineering

With a wealth of engineering knowledge and industry experience, we can assure the best expertise across the production process. This enables us to design, innovate, and implement solutions to complex tasks.



**Quality Testing**  
We take quality seriously by testing performance, safety, and reliability both in laboratory conditions and out in the field with private and professional operators. We only deliver products that meet and exceed industry benchmarks, ensuring the highest level of functionality, durability and customer satisfaction.



### Global Expertise

Our global teams represent a collaborative spirit, uniting diverse talents and perspectives to drive innovation and excellence across all markets. Together, we tackle challenges with a shared commitment, fostering a dynamic environment that drives us toward collective success.

# Globe Technologies

Highly Automated Manufacturing



Our capabilities include precision injection moulding, advanced metal fabrication, and expert assembly of both brushless and brushed motors. We specialize in battery pack, charger, and control board PCBA assembly, ensuring reliable and efficient power solutions while meeting the stringent RoHS and REACH standards.

Our global manufacturing facilities are equipped with cutting-edge technology for painting, aluminium die casting, stamping, machining, and final tool assembly, guaranteeing superior quality and consistency across all products.

We utilize high-precision tube and sheet metal laser cutting, stamping, and CNC tube-bending equipment to deliver intricate and accurate components.

At Globe Technologies we are committed to excellence and innovation, providing integrated manufacturing solutions that drive success for our brands and our clients worldwide.



# Globe Technologies

## Cutting-Edge Technology, Full Vertical Integration

Our modern manufacturing facilities utilise advanced technologies and automated processes to ensure precision, efficiency, and high-quality production.

This advanced environment enables us to deliver innovative products with consistent excellence and meet evolving market demands quickly and effectively.

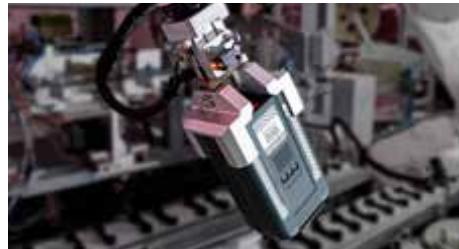
Our vertical integration ensures complete control over every stage of production, from design to manufacturing.

This approach guarantees the highest quality standards, streamlined processes, and efficient innovation, enabling us to deliver best in class products with exceptional reliability and performance.



### Automated Fabrication Process

Our fabrication sites utilize advanced machinery, robotics, and skilled technicians to ensure precise, efficient production. Through innovative processes and rigorous quality control, we ensure each product meets the highest standards of durability and performance.



### Brushless Motors

Every one of our brushless motors are manufactured using advanced techniques and rigorous quality controls, ensuring the highest levels of efficiency and reliability. Our facilities feature the latest technology for precise and consistent motor production.



### Printed Circuit Boards

All printed circuit boards are produced in our state-of-the-art facilities with advanced systems for quality, testing and performance. Our process emphasizes precision in order to meet strict industry standards to ensure the reliability of every board.

### Plastic Injection Molding

Plastic injection moulding is conducted with cutting-edge machinery and automated systems, achieving high precision and efficiency. We produce up to 140 million plastic parts annually, ensuring consistent quality from the first part to the last.



### Quality Controls

We implement strict quality controls across all manufacturing processes. We use automated inspection systems and real-time monitoring to ensure products meet stringent quality standards, delivering excellence from every component.

# Globe Technologies

## Around the World



## Jönköping, Sweden

- R&D
- Industrial Design
- IoT
- Testing
- Sales
- After Sales Support



## Frankfurt, Germany European Headquarters

- Sales
- Supply Chain
- Finance
- After Sales Support

## Venlo, Holland

- Warehousing
- Distribution

## Milan, Italy

- Sales
- After Sales Support

## Changzhou, Jiangsu

- Manufacturing
- R&D
- Design, Quality
- Sales Support

## Shanghai

- Finance
- Logistics

## Guangzhou, Guangdong

- R&D

## Haiphong City, Vietnam

- Manufacturing
- Sales Office

## Thai Binh, Vietnam

- Manufacturing

## Hong Kong

- Sales Office



**1.5 MILLION** Units per month



**1,000+** Patents



**6,000+** Employees



**400+** R&D Engineers



**15** Countries



**3** Manufacturing Sites



# 100% Battery. Power. Productivity.

The largest professional battery eco-system on the market.





# Powering the Future of Landscaping.

At Cramer, we believe the present and the future of landscaping is 100% battery and have been building this revolution since 2004. Our DNA is rooted in innovation, responsibility, and performance. For over two decades, we have championed a battery-first strategy, long before the market demanded it. This pioneering vision has allowed us to stay ahead of the curve, with over 10 million battery-powered tools sold worldwide, trusted by professionals and homeowners alike.

We understand the pressure landscaping professionals face, tight schedules, rising costs, and increasing environmental demands. That is why every Cramer product is engineered to deliver maximum power, extended runtime, and uncompromising productivity, without the noise, emissions, and maintenance that come with petrol powered equipment.





## More Power, for Longer

Our latest battery innovations deliver more power and run for longer, far exceeding the performance of petrol equivalents. Offering the ultimate solution for professionals with higher productivity, lower running costs, and all-day power.

## Complete Professional Battery Eco-System

Cramer offer the most comprehensive portfolio and largest professional battery eco-system on the market. With a tool for every job, and battery and charging solutions to keep professionals working all day with maximum productivity.



## Free On-Site Demonstrations

At Cramer we understand how important it is for professionals to have the right equipment for the job. Our team offer free on-site demonstrations so you can see for yourself why Cramer is the right partner for your business.

## 20 Years of Trusted Performance

Since 2004 we have sold over 10 million battery-powered tools worldwide to professionals and homeowners alike. This demonstrates that Cramer is a partner you can trust to deliver exceptional tools that meet and exceed the demands of the professional.





# Product Ranges

## Robotic Lawn Mowers – Industry leading technology for homeowners and commercial applications

Cramer have a solution for any area, from compact lawns up to large public spaces and sports facilities. The AiConic series utilizes RTKVision technology, combining camera, sensors and satellite positioning for the most advanced robotic mower system available. Edited to Remove RM reference

## Optimus Range – A new standard for professional cordless machinery

The Optimus range sets a new benchmark for professional users, designed and built to deliver best in class performance in every category. The impressive range includes Zero Turn Lawn Mowers, Handheld Tools, All-Terrain Lawn Mowers, Charging Solutions, and powerful CORE Batteries.

## 82V Range – Class leading power for advanced users and ambitious gardeners

The 82V platform was designed with class leading performance, exceptional durability, and emissions free operation. Perfect for landscapers and landowners, the range comprises everything you need to maintain your land from zero turns, tractors, utility cart, snow thrower and earth auger.

## 48V Range – The perfect balance for homeowners

A complete range of battery tools for maintaining all aspects of the garden. All 48V tools are designed to be easy and comfortable to use, while rivalling the performance of petrol equivalents. With the wide range of tools available and the freedom of cordless operation, you'll have everything you need to maintain a beautiful garden effortlessly.

# AiConic®

## For Residential / Commercial

The Cramer AiConic Robotic Mower range offers fully autonomous solutions for lawns and green spaces up to 12,000 m<sup>2</sup>, with no need for physical boundary wires. Designed for both residential use and professional applications, it is ideal for sports facilities, commercial sites, public areas, and large properties.

Powered by **Cramer RTKVision™ technology**, which combines cameras, sensors, and satellite positioning, the mower operates seamlessly within virtual boundaries. These boundaries are easy to manage and can be adapted to fit each user's specific needs across multiple area.





n | OPTIMUS™ / 82V

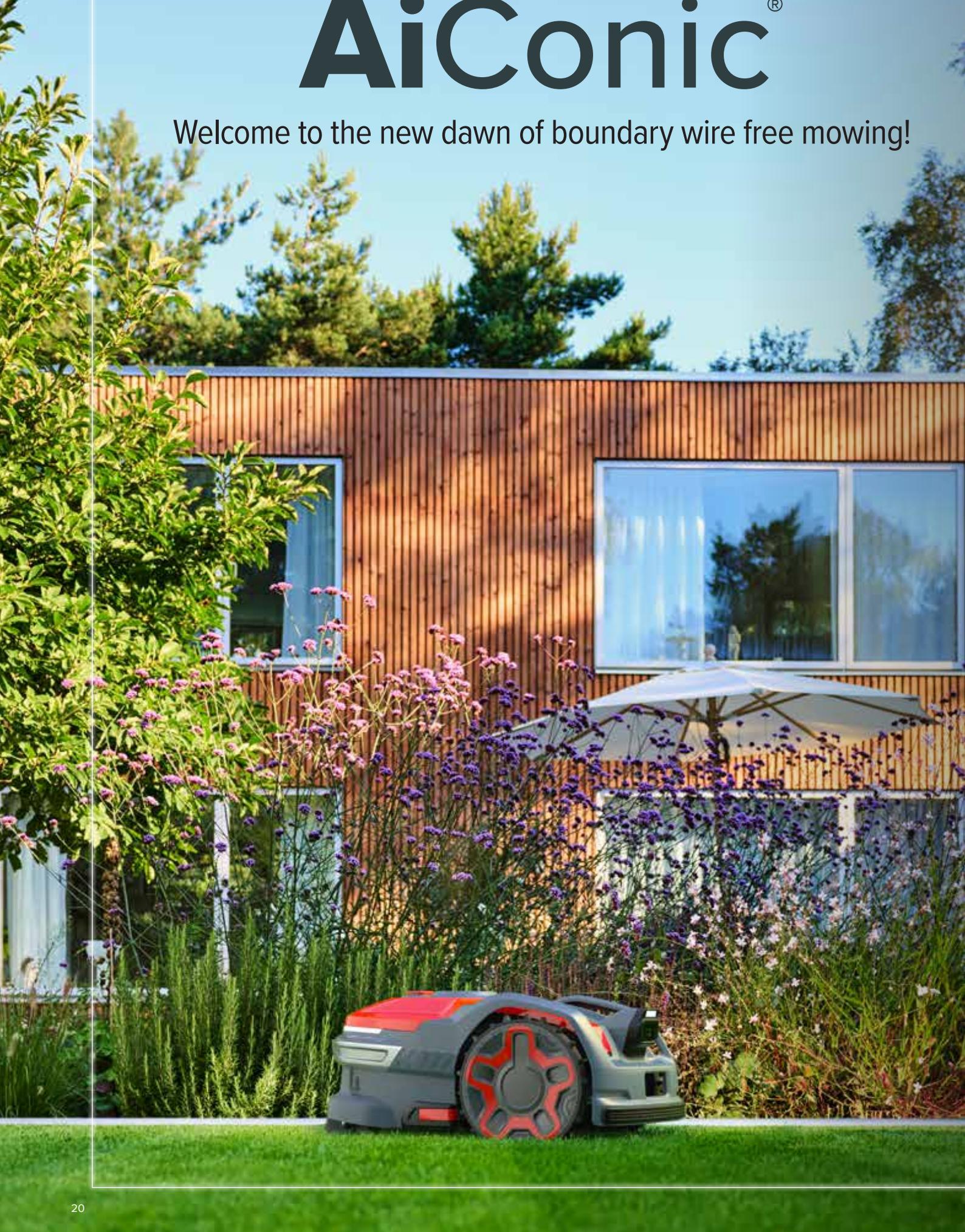
3 | 48V PRODUCT RANGE

1 | AiConic

**NEW!**

# AiConic®

Welcome to the new dawn of boundary wire free mowing!



## RTK

As well as camera and radar, the AiConic features RTK (Real-Time Kinematic) technology for centimetre-level accuracy thanks to satellite positioning and our local RTK reference antenna. Together these systems communicate seamlessly to navigate areas up to 12,000 m<sup>2</sup> without boundary wires, and with the ability to adapt virtual areas at any time.

## Vision powered by AI

The camera differentiates colours and shapes, while the radar assesses distance and height, creating a real-time vision of the terrain. Through continuous testing at our R&D centers, optimisations are delivered via updates to the machine.

## Obstacle detection

With the latest camera and radar technology, the system is able to map the terrain in its path, allowing the AiConic to detect obstacles early and navigate around them with safety and precision.

## Systematic Cutting 2.0

The advanced cutting algorithm covers the lawn in the fastest and most efficient way, with the minimum wear and tear to the lawn. This results in faster mowing of areas, increased battery life and uniform stripes and patterns to the lawn.

## AiConic®

### RANGE OVERVIEW

**AiConic 1**  
For areas up to 1,000 m<sup>2</sup>



**AiConic 2**  
For areas up to 2,000 m<sup>2</sup>



**AiConic 3**  
For areas up to 3,000 m<sup>2</sup>



**AiConic 5**  
For areas up to 5,000 m<sup>2</sup>



**AiConic 8**  
For areas up to 8,000 m<sup>2</sup>



**AiConic 12**  
For areas up to 12,000 m<sup>2</sup>



# RTKVision™

RTKVision™, is our industry leading virtual boundary system, which delivers a perfect cut every time with ultra-accurate positioning and vision for unparalleled precision and efficiency.

Thanks to real-time data processing it effortlessly avoids obstacles and creates beautiful striped or patterned lawns. Capable of maintaining areas up to 12,000 m<sup>2</sup>, AiConic ensures lawns, public spaces, sports facilities and more always look flawless.





1

AiConic

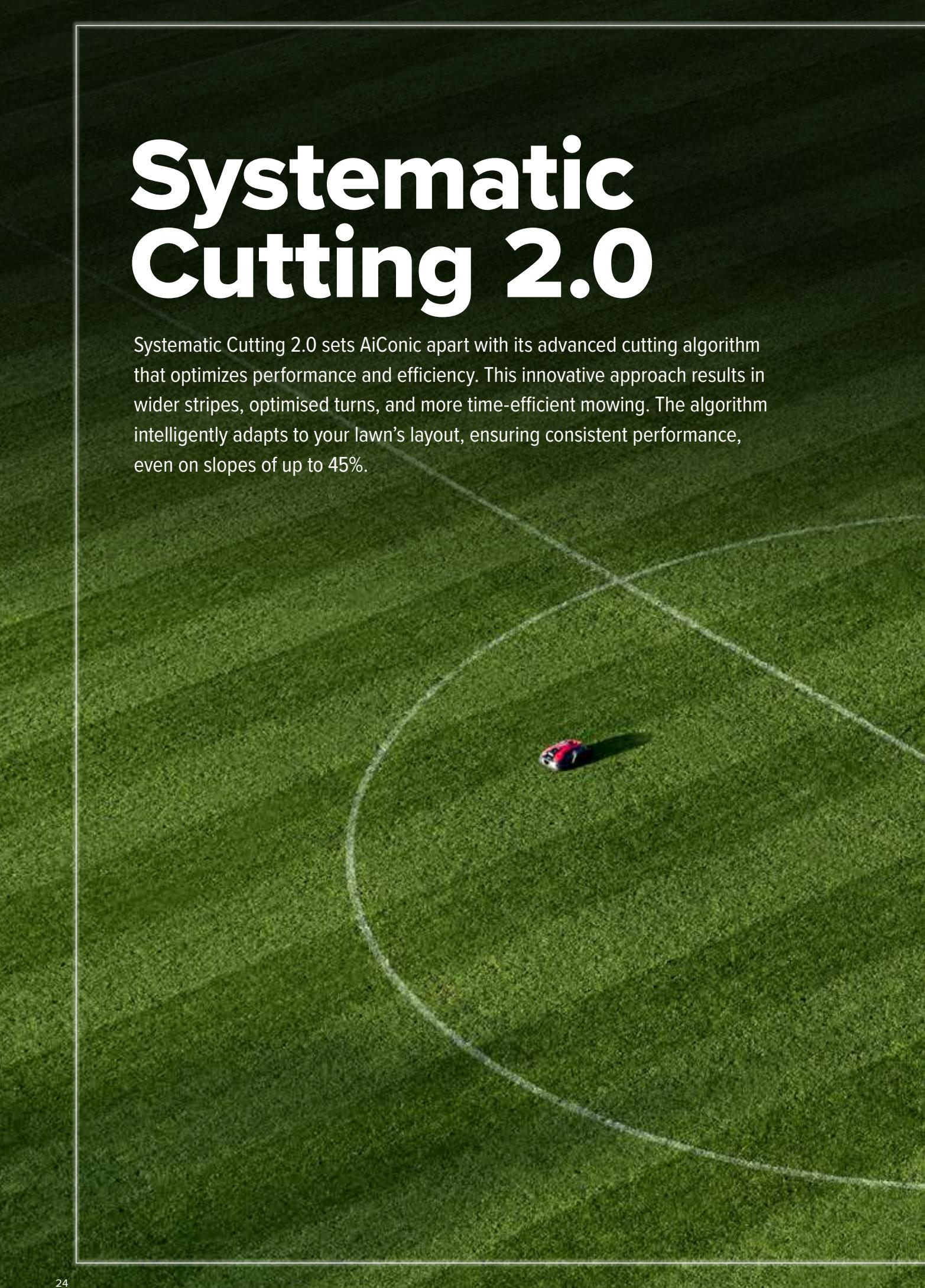
2 | OPTIMUS™ / 82V

3

48V PRODUCT RANGE

# Systematic Cutting 2.0

Systematic Cutting 2.0 sets AiConic apart with its advanced cutting algorithm that optimizes performance and efficiency. This innovative approach results in wider stripes, optimised turns, and more time-efficient mowing. The algorithm intelligently adapts to your lawn's layout, ensuring consistent performance, even on slopes of up to 45%.





## Beautiful Wide Stripes

AiConic creates beautiful wide stripes that enhance the look of your lawn. These broader stripes are more pleasing to the eye than the narrow lines produced by traditional mowing patterns, giving your lawn a professionally manicured appearance that stands out.



## Healthier Lawns

By extending turns and optimizing mowing, AiConic minimizes lawn damage which leads to healthier grass and a more formal high-quality finish.



## Enhanced Stability on Slopes

Momentum management ensures better traction and stability on slopes of up to 45%, reducing slippage and maintaining consistent cutting quality.

## Optimized Cutting

AiConic's algorithm driven cutting sequence covers the entire lawn, finishing by cutting all the borders of the defined map.



# AiConic®

AiConic is built with industry leading technology which works in harmony to provide the most accurate, efficient, and intelligent robotic mower available. The new AiConic 1, 2, 3 residential platform offers the following features for reliable performance.

## Bumper

The integrated bumper sensor serves as a secondary safety measure, absorbing impacts to protect surrounding objects in situations where the camera's visibility is compromised, such as when the lens is obstructed or dirty.



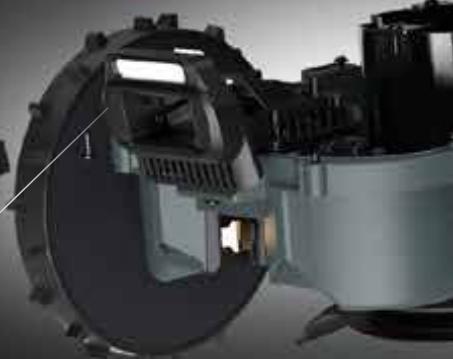
## Computer

A power-efficient, centralized processing unit with a dedicated AI neural processing unit can provide trillions of operations per second. This system processes sensor data, enabling real-time decision-making for enhanced performance and energy efficiency. The on-board flash memory allows for continuous learning and performance optimization.



## 3D ToF Camera

The 3D ToF (Time of Flight) Camera recognizes real-time 3D perception of the mower's surroundings, as well as allowing for adaptive mowing patterns to avoid bumps, slopes, and irregular terrain. The camera features more precise depth sensing which detects fast moving or smaller objects.



## LED Front Light

The integrated front-facing LED light enhances safety and visibility, as well as offering a clear view for the 3D camera when mowing at night or in darker areas.



## RTK Receiver

Multi-band, multi-constellation global navigation satellite system connects to all major satellite networks. This integration allows AiConic to achieve centimetre-level precision, and the most accurate navigation.

## Control Panel

The screen displays operational information like status, battery level, error etc. The control buttons enable users to power the mower on or off, adjust settings, and switch between operating and charging modes.

## Robust Handle

The integrated rear carry handle allows for easy transportation of the machine when required for servicing or storage.

## Rear LED Light

The rear colour LED array communicates the mower's operational status - whether cutting, charging, or returning to base. The lights also enhance safety through visibility at night and during low-light conditions like sunset or sunrise.

## Razor Sharp Blades

AiConic features a 20 cm cutting disc with 3 razor sharp pivoting blades to give the highest cutting quality.



# Navigating with RTKVision™

RTKVision™ AiConic's precision navigation, combining RTK (Real-Time Kinematic) positioning with vision, and sensors. By utilising satellites and an RTK antenna, the system achieves centimetre-level accuracy for reliable lawn care without a boundary wire.

The onboard AI platform processes data in real-time, ensuring the mower expertly navigates and avoids obstacles while working. AiConic adapts to its environment, allowing for the most efficient and safe operation even in complex areas.



Scan the QR for more information.

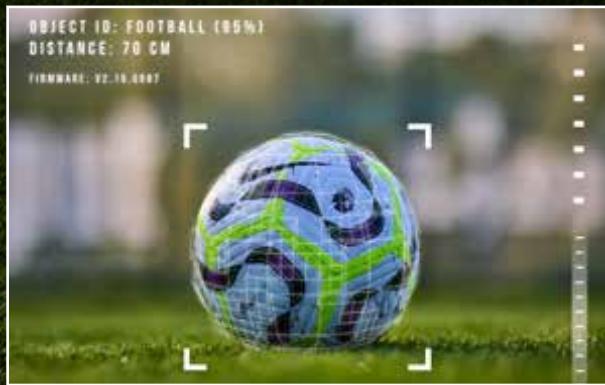


## RTK

Real-Time Kinematic (RTK) technology ensures AiConic's precise navigation. Connected to an RTK Reference Antenna and satellites, RTK technology ensures centimetre-level accuracy, eliminating perimeter wires and enhancing mowing efficiency.

## Vision & Radar

AiConic combines advanced camera vision and radar systems to detect and understand the environment in 3D. Radar measures distances, while the camera captures visual data, enabling AiConic to recognise and avoid obstacles with the highest precision.



## Onboard AI Computing

AiConic's integrated AI processes data in real-time, while machine learning at our data centres make the mower smarter over time\*, adapting to new environments and challenges with unparalleled speed and accuracy.

## Sensors

Equipped with an array of sensors, including odometers, IMU (Inertial Measurement Unit), and more, AiConic accurately tracks its movement and orientation. The result is a mower that knows where it is, and where it needs to go next for optimum mowing efficiency.



\*The machine does not capture, store, or share any private data such as images. Any machine learning is fed one way from Cramer R&D Centers to the machine in the form of an over-the-air update.

# Connect, Map, and Mow.

Despite having a wide range of innovative software features, settings and capabilities, the AiConic has been designed for the most user-friendly installation and setup process available. No matter if being used in a commercial environment or in a private garden, to setup AiConic is as easy as 1, 2, 3.



Scan the QR and watch the video.

## 1. Connect

Install the RTK reference antenna and charging station, download the app, and connect to the mower.



## 2. Map

Define cutting areas, no-go zones, and transport paths with ease. Each map can have multiple zones, and multiple maps can be created.



## 3. Mow

Once connected AiConic starts mowing straight away, with full control over all settings, as well as the ability to adjust cutting areas, zones and paths at any time.



# Tailored mapping settings

AiConic offers maximum flexibility as you can create multiple maps with mowing zones and no-go areas.

For different parts of the site, simply create a new map and apply customized settings to match your needs. The opportunities are endless, from a single mower to a fleet of mowers maintaining any area fully autonomously.



## Mowing Pattern

Customize the mowing direction and pattern to ensure even grass growth and a professional formal finish. AiConic can create different patterns like wide stripes, checkerboards and diamonds. By alternating the striping angle it reduces wear on the grass and keeps the lawn looking green and healthy.



## Mowing Speed

Set the mower to prioritize the fastest area mowing, or a slower speed for crowded areas. You can adjust between different speeds based on the requirements of each zone.



## Obstacle Detection

Choose how the mower interacts with obstacles. It can slow down and gently touch objects or avoid them completely, ensuring efficient operation while protecting obstacles such as trees, animals, furniture and more.



## Cutting Height

The automatic electronic height adjustment allows you to choose the cutting height for different areas, from short and formal, to longer and more natural. The mower will automatically adjust the cutting height when moving between maps, ensuring an optimal cut for every part of the site.



## Scheduling

You can fully customize the mowing schedule. Each map is scheduled separately, and you can enable or disable maps with a single button in the App. Once schedules are set the AiConic then maintains all areas fully autonomously.



## Transport Paths

Set transport paths between different mowing zones, with the cutting function disabled during navigation between zones.

# RTK Reference Antenna

AiConic's private network is powered by an RTK Reference Antenna, giving full control over your mowing ecosystem.

By eliminating dependency on third-party networks, you ensure uninterrupted operation all season long, free from external outages.

The system provides centimetre-level precision and supports multiple mowers simultaneously, maximizing efficiency without recurring data costs.

## Private Network

The AiConic RTK Reference Antenna creates a private network which is not only hidden from public view, but also not reliant on 4G or third-party networks for maximum reliability.

## LORA Technology

The AiConic network functions with LORA technology, this long range wireless technology allows data to be transferred over wide distances for maximum coverage.

## 500 metre Radius Range\*

Once installed the RTK Reference Antenna has a radius range of 500 metres, enabling a single antenna to cover an area of up to 750,000 m<sup>2</sup> or 200 acres with direct line of sight.

\*AiConic 5, 8, 12 only

## Multiple Mowers

Designed with scalability at its core, the RTK Reference Antenna can communicate with multiple mowers at the same time, enabling fleets of mowers to cover multiple areas.



**NEW!**

RTKVision™ ROBOTIC MOWERS

# AiConic® Residential

The new AiConic 1, 2 and 3 are fully automated intelligent robotic lawnmowers designed to maintain residential lawns of up to 3,000 m<sup>2</sup>.

Using Cramer RTKVision™ technology which combines satellite positioning, cameras and additional onboard sensors, the mower works within a virtual boundary where it utilises AI to detect obstacles and optimise mowing efficiency.

Frequent cutting via the app controlled mowing schedules ensures a perfect finish and a greener, healthier looking lawn.

## AiConic® 1

AiC1000

For areas up to 1,000 m<sup>2</sup>

ERP: AIC1000A1 | EAN: 6936854146011

## AiConic® 2

AiC2000

For areas up to 2,000 m<sup>2</sup>

ERP: AIC2000A1 | EAN: 6936854146004

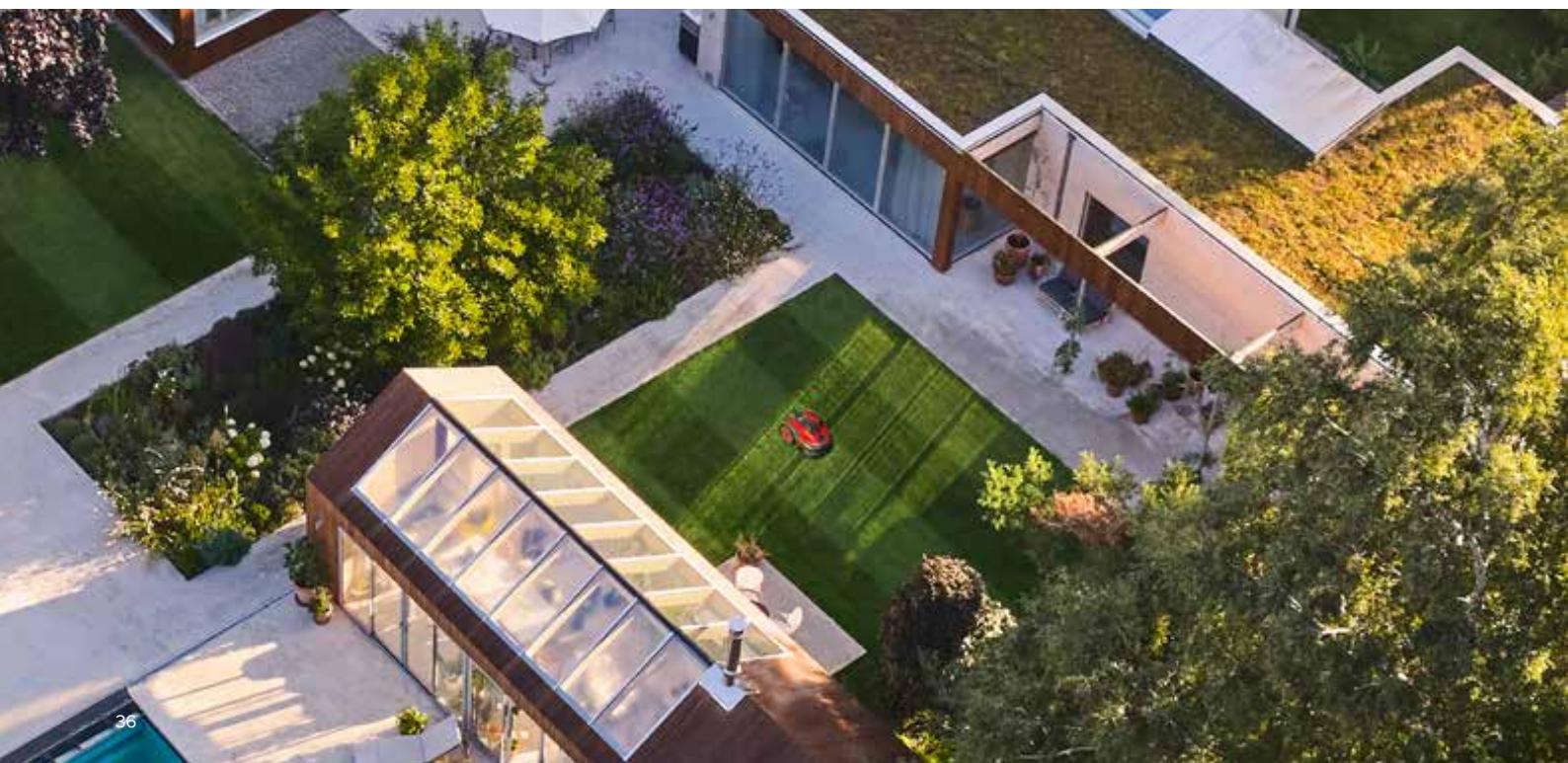
## AiConic® 3

AiC3000

For areas up to 3,000 m<sup>2</sup>

ERP: AIC3000A1 | EAN: 6936854147780

- + Virtual boundaries – no need for cables
- + Obstacle detection (camera)
- + Systematic cutting 2.0
- + Remotely control your AiConic mower through the Cramer AiConic App
- + 2G/4G connectivity provides online satellite position
- + Remote cutting height adjustment via the App
- + Powerful hub motor drive system for slopes up to 45%



# Specification

RESIDENTIAL  
BOUNDARY WIRE  
FREE MOWING



Product/Feature	AiConic 1	AiConic 2	AiConic 3
ERP	AIC1000A1	AIC2000A1	AIC3000A1
EAN	6936854146011	6936854146004	6936854147780
Navigation	Cramer RTKVision™	Cramer RTKVision™	Cramer RTKVision™
Area	up to 1,000 m <sup>2</sup>	up to 2,000 m <sup>2</sup>	up to 3,000 m <sup>2</sup>
Cutting pattern	Systematic	Systematic	Systematic
Cutting height adjustment	Electrical	Electrical	Electrical
Cutting height span	20 - 90 mm	20 - 90 mm	20 - 90 mm
Cutting system	3 Pivoting razor blades	3 Pivoting razor blades	3 Pivoting razor blades
Cutting width	20 cm	20 cm	20 cm
Remote object detection	Camera	Camera	Camera
Connectivity	4G, BLE & WiFi	4G, BLE & WiFi	4G, BLE & WiFi
LED-Lights	Front & Back	Front & Back	Front & Back
Timer settings	Fully adjustable	Fully adjustable	Fully adjustable
Max. slope	45 %	45 %	45 %
Motor type	Brushless hub motors	Brushless hub motors	Brushless hub motors
Battery technology	Li-Ion	Li-Ion	Li-Ion
Battery capacity	4 Ah	4 Ah	4 Ah
Charger	4A	4A	4A
Water resistance	IPX5	IPX5	IPX5
Weight	12 kg	12 kg	12 kg

# Accessories

Accessory	ERP	Compatibility
AiConic blades 15 pcs	2916986	AiConic 1, AiConic 2, AiConic 3
AiConic garage small	2917186	AiConic 1, AiConic 2, AiConic 3

# AiConic® Commercial

The AiConic 5, 8 and 12 are fully automated intelligent robotic lawnmowers designed for commercial areas of up to 5,000, 8,000 and 12,000 m<sup>2</sup>.

Using Cramer RTKVision™ technology which combines satellite positioning, radar, cameras and additional onboard sensors, the mower works within virtual boundaries which can be managed to suit the user's requirements.

The AiConic has the added benefit of using AI to detect obstacles as well as utilising a range of sensors to always know its precise location and optimise mowing patterns in the most efficient way.

## AiConic® 5

AiC5000

For areas up to 5,000 m<sup>2</sup>

ERP: 2505386 | EAN: 6952909098371

## AiConic® 8

AiC8000

For areas up to 8,000 m<sup>2</sup>

ERP: 2505486 | EAN: 6952909091877

## AiConic® 12

AiC12000

For areas up to 12,000 m<sup>2</sup>

ERP: 2505586 | EAN: 6952909091853

- + Virtual boundaries – chosen by you
- + Obstacle detection (camera & radar)
- + Systematic cutting 2.0
- + Remotely control your entire AiConic fleet through the Cramer AiConic App
- + 2G/4G connectivity provides online satellite position
- + Remote cutting height adjustment via Connect App
- + Powerful hub motor drive system



# Specification

COMMERCIAL  
BOUNDARY WIRE  
FREE MOWING



Product/Feature	AiConic 5	AiConic 8	AiConic 12
ERP	2505386	2505486	2505586
EAN	6952909098371	6952909091877	6952909091853
Navigation	Cramer RTKVision™	Cramer RTKVision™	Cramer RTKVision™
Area	up to 5,000 m <sup>2</sup>	up to 8,000 m <sup>2</sup>	up to 12,000 m <sup>2</sup>
Cutting pattern	Systematic	Systematic	Systematic
Cutting height adjustment	Electrical	Electrical	Electrical
Cutting height span	20 – 80 mm	20 – 80 mm	20 – 80 mm
Cutting system	5x Pivoting razor blades	5x Pivoting razor blades	5x Pivoting razor blades
Cutting width	30 cm	30 cm	30 cm
Remote object detection	Radar & Camera	Radar & Camera	Radar & Camera
Connectivity	4G/2G, BLE & WiFi	4G/2G, BLE & WiFi	4G/2G, BLE & WiFi
LED-Lights	Front & Back	Front & Back	Front & Back
Timer settings	Fully adjustable	Fully adjustable	Fully adjustable
Max. slope	45 %	45 %	45 %
Motor type	Brushless hub motors	Brushless hub motors	Brushless hub motors
Battery technology	Li-Ion	Li-Ion	Li-Ion
Battery capacity	6 Ah	6 Ah	6 Ah
Charger	2.4A	6.1A	6.1A
Water resistance	IPX5	IPX5	IPX5
Weight	18 kg	18 kg	18 kg

# Accessories

Accessory	ERP	Compatibility
AiConic RTK Reference Antenna	2916286	AiConic 5, AiConic 8, AiConic 12
AiConic blades 15 pcs	2916986	AiConic 5, AiConic 8, AiConic 12

82V



# OPTIMUS™

Setting a new standard for  
professional battery machinery

All Optimus products are designed with a battery first approach, for the highest levels of productivity and unmatched power and performance day after day.

Through a combination of optimized design, optimized performance and optimized durability, Optimus offers a new groundbreaking generation of ultra-high-performance outdoor lawn and garden tools for the true professional.



# OPTIMUS™



OPTIMUS™

**Zero Turn Mowers**



OPTIMUS™

**All Terrain Mowers**

## THE WIDEST RANGE OF ULTRA-HIGH-PERFORMANCE TOOLS TO TACKLE THE MOST DEMANDING COMMERCIAL APPLICATIONS.

The Cramer Optimus portfolio includes an ultra-high-performance tool for every job, all built with a battery first design and with uncompromised performance. From the Worlds most advanced zero turn mowers and remarkable all terrain mowers, to versatile and extremely powerful handheld equipment, the Optimus name delivers unrivalled performance and productivity in all areas of the workday. Optimus Charging Systems offer game-changing solutions for professional operations. Stationary or mobile, these solutions ensure there is always enough power to finish the job. As an industry first, the Optimus range innovates with convenient options for charging, handling and transporting batteries.

In their development, all tools aim to deliver category leading innovation to the marketplace. Each product is meticulously designed, paying close attention to every detail. To ensure quality and durability, rigorous laboratory and field testing protocols set new standards, where every Optimus tool must pass a 1000 hour extreme life test prior to being introduced in a market.



**OPTIMUS™**  
**Handhelds**



**OPTIMUS™**  
**Battery & Charging Solutions**

# What is **OPTIMUS**™

## **Proven reliability & simple maintenance**

All Optimus products go through the most rigorous **1000-hour use testing** to ensure the highest quality and durability. Every tool has been designed for quick and easy maintenance and repair, with comprehensive training and support available for dealers.

## **Unrivalled productivity for professionals**

All Optimus products are designed and built to deliver the highest level of power and performance. Maximizing efficiency and effectiveness to tackle the most demanding jobs. Developed for ease-of-use with intuitive controls and ergonomic designs for safe and comfortable use all day.

## **A tool for every job**

Optimus is the largest and most comprehensive professional battery eco-system on the market, with advanced charging solutions, zero turns, handheld tools, walk-behind equipment, and powerful batteries.

## **Huge cost savings**

Optimus not only exceeds the performance of petrol equivalents but also offers significant savings over the total cost of ownership. Now is the time to change with more power, higher productivity, and lower running costs.







OPTIMUS™

# Zero Turns

OptimusZ is the worlds most advanced battery powered professional zero turn range. The 82V mowers not only rival and exceed the productivity of traditional petrol and diesel mowers, but also unleash innovative product features not seen on any other zero turn mowers on the market, allowing operators to do the job faster.



OPTIMUS™

# Zero Turns

The world's most advanced 82V battery-powered professional zero-turn mower, delivering unmatched productivity and groundbreaking features that outperform traditional petrol and diesel models.

## Built Without Compromise

Heavy duty 50 x 76 mm steel frame rail, oversized 3.4mm I-beam, and reinforced heavy-duty caster arms.

## Electronic Height Adjustment

The new Optimus ZTC182R features a fully electric height adjustment for the cutter deck, allowing operators to alter cutting height at the press of a button.

## Reduce Unnecessary Down Time

Front tires are solid durable rubber to prevent punctures and unnecessary repairs while on the job.

## Submerged Blade Motor Design

OptimusZ sets itself apart by cleverly integrating 70% of the blade motors beneath the deck, offering new levels of durability, cooling efficiency, and preventing grass wrapping around the blade spindle.

## Cutting Blades

OptimusZ offers specially optimized blades for side & rear discharge or mulching to ensure the highest cutting performance in every situation.





## Reliability in All Conditions

OptimusZ features a waterproof and dustproof controller mainboard casing, designed for consistent performance and easy maintenance. This robust casing protects the mainboard from the elements, ensuring reliability and durability in any conditions.

## Extra Large Drive Wheels

Drive securely, safely and comfortably with the high traction 60 cm rear tyres as standard.

## Ultimate Drive System

As part of our PowrTraq™ smart drive system, 6.5 kW independently controlled in wheel hub motors generate unrivalled torque and phenomenal traction on all grass types.

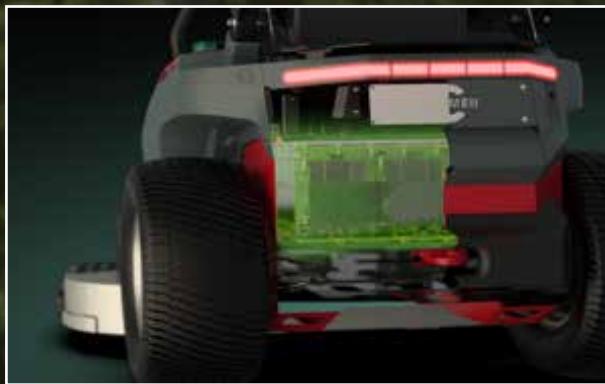
## Heavy Duty 4.5 mm Fabricated Deck

Every OptimusZ features a heavy duty full 4.5 mm thick fabricated cutting deck with 6.4 mm side wear plates and reinforced with an extra 3.4 mm layer around the blade motors.

OPTIMUS™

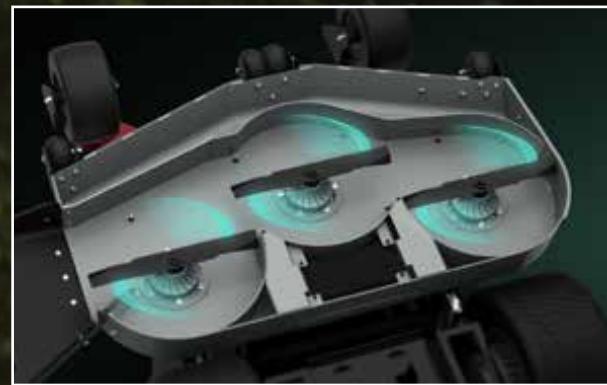
# Power and Performance





## Unmatched Power

Experience unmatched power from the 82V MEGA series battery, delivering up to 70 HP equivalent for all-day cutting.



## Advanced Cutting System

Our intelligent cutting system with three independent motors constantly adjusts to match grass conditions, providing a superior quality cut and exceptional mulching. The system also optimizes power delivery, ensuring maximum cutting time while maintaining consistent results.



## Work All Day

Optimized for extended cutting, the OptimusZ delivers up to 8 hours runtime, covers 100,000 m<sup>2</sup> on a single charge, and recharges quickly either overnight or during the day with our range of charging solutions.



## Power Meets Safety

We combined the latest technology and over 20 years of battery knowledge into our Lithium-iron Phosphate (LFP) battery chemistry, which not only offers unrivalled performance, but is also safer than Nickel Cobalt Manganese (NCM) which other brands use.

OPTIMUS™

# PowrTraq™ Smart Drive System

The PowrTraq™ Smart Drive system™ in our equipment sets new industry-standards which are years ahead of the competition. We have eliminated maintenance-intensive transmissions and replaced them with the most compact in-wheel hub-motors, providing the best agility, traction control in any terrain and sheer power that can last over 2000 hours before needing maintenance. In combination with exceptional torque, OptimusZ can easily work on slopes up to 20 degrees.



## In-Wheel Hub Motors

Experience unmatched power and control with dual in-wheel hub motors, eliminating the need for maintenance-intensive transmissions.



## Belt-less Direct Drive

The belt-less direct drive system ensures constant power to five independent electric motors, providing efficient power transfer and reducing maintenance costs.



## Terrain Handling

Effortlessly tackle slopes up to 20 degrees with the PowrTraq™ system's superior torque and traction, ensuring stability and performance across any terrain.



## Maintenance Program

Cramer has initiated a maintenance program for professional users to have a 5 year warranty on the Optimus ZTR range or 2,000 hours of use. The maintenance program is related to mechanical, electrical and added-value service for the lifetime of the product, and will be carried out by the local dealer.

OPTIMUS™

# Tough Construction and Superior User Experience

The OptimusZ is built for durability and operator comfort, featuring a heavy-duty steel frame, 4.5 mm thick steel deck, and reinforced spindles for demanding use. Quiet operation at just 67 dB ensures minimal noise disturbance even when working early or late in the day.

With enhanced visibility through the optimum seating position and compact design, as well as bi-directional lighting for safe operation in low-light conditions.

The waterproof, dustproof design and advanced 4G/GPS IoT technology provide reliable performance, real-time fleet management, and theft protection, making the OptimusZ the first choice for demanding commercial applications.





## Heavy Duty Frame & Deck

The OptimusZ is engineered for daily professional use, featuring a robotically welded steel frame, 4.5 mm thick steel deck, and reinforced caster arms. The deck includes a 6.4 mm side wear plate and an additional 3.4 mm layer around the motors, ensuring exceptional durability in the toughest conditions.



## Rear Discharge Function

OptimusZ offers rear discharge functionality to maximise productivity in environments where controlled grass discharge is essential, such as pathways, flower beds, roads, ponds, lakes and more. All models have high performance mulching capability, with selected models featuring side-discharge function for areas where speed is essential and grass may be longer.



## Safety & Visibility

Work safely at dawn or dusk with bi-directional lighting on the ROPS and flashing red rear LEDs, ensuring maximum visibility in low-light conditions. The intuitive LCD interface, glove-safe and IP65 certified, provides excellent visibility and simple operation, even in challenging conditions.

OPTIMUS™

# Unmatched Cost Savings

The OptimusZ offers significant cost savings by eliminating petrol and diesel expenses and reducing maintenance to a minimum.

Powered by long-lasting LFP MEGA batteries, ensuring years of reliable performance with up to 2000 charge cycles. These savings, combined with higher productivity and reduced downtime, lead to a faster return on investment, making the OptimusZ a financially smart choice for professional mowing operations.





## No More Petrol Costs

Transition to the OptimusZ and eliminate fuel expenses entirely. With battery power, you not only save on petrol or diesel costs but also reduce time spent on refuelling and trips to the petrol station, boosting overall productivity.



## Easy Maintenance Design

The OptimusZ is built to the highest quality standards to achieve maximum durability. The design has been made to make maintenance simple for dealers. This will be accompanied with a set-up of diagnostic tools to make troubleshooting, software updates and service easier.



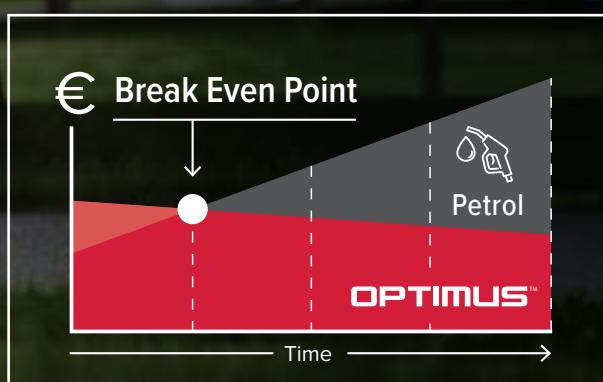
## Long-Lasting Power

The Lithium Iron Phosphate (LFP) battery technology used in the OptimusZ is rated for up to 2000 charge cycles, retaining 80% capacity. This technology ensures years of reliable use without the need for frequent battery replacements.

## Long-Term ROI

The initial investment in the OptimusZ quickly pays off through fuel savings, reduced maintenance, and longer operational life.

For more information see page 66.



OPTIMUS™

# Zero Turns

The most productive Zero Turn range



82V

**OPTIMUS™**  
ZERO TURN RANGE  
OVERVIEW

## Battery first design

OptimusZ is designed specifically for battery technology, ensuring the packaging of battery within the mower has the lowest possible centre of gravity, to effortlessly tackle hills and inclines of up to 20 degrees.

## Multiple sizes and cutting functions

The OptimusZ range feature mower deck sizes from 122 cm to 182 cm. You can also choose between side discharge or rear discharge, all of which also offer a high-performance mulching function.

## Get more out of OptimusZ

Explore the Electronic Take Off (ETO) Blower to convert your OptimusZ into more than just a grass cutting machine or connect handheld batteries for recharging throughout the day while off grid.

## Industry leading power

Our range of OptimusZ offers 3 different battery ecosystems ranging from 8 kWh, 24 kWh and 36 kWh depending on your needs. Each MEGA battery pack is built with LFP technology offering a more reliable, safer and a more powerful operation than anything on the market.

### RIDE-ONS

**ZTC182R**



**ZTC152R / ZTC152**



**ZTC132R**



**ZTC122R**



### STAND-ON

**ZTCS92**



### ETO BLOWER

**ETOBL51R/S**



## ZTC182R Zero Turn

ERP: 7401786 | EAN: 6936854138269

Introducing the new flagship of the OptimusZ zero turn range, with our largest MEGA 36K battery, and a 182 cm rear discharge deck for unmatched productivity. The ZTC182R provides the capacity to cut even the largest areas up to 100,000 m<sup>2</sup> on a single charge. The 4.5 mm thick, 182 cm wide deck is rear discharge with optional high-performance mulching.

- + Mow up to 100,000 m<sup>2</sup> and 8 hours on a single charge
- + The MEGA 36K battery delivers gas equivalent power of 70 HP
- + The unit comes equipped with a rear discharge deck
- + ZTC182R features an electronic deck lift to assist in setting the correct cut height
- + Includes both rear and front ETO ports for powering motorized attachments
- + 4G equipped to offer remote diagnostics and tracking through the Cramer Connect app
- + LCD screen to set blade tip speed and driving speed including language options of up to 5 different languages



### SPECIFICATIONS

Cutting deck width	182 cm
Cutting deck type	Rear-discharge/mulching
Max. drive speed	22,5 km/h
Max. blade tip speed	3,200 rpm
Height adjustment	25 - 127 mm (17 levels)
Max. slope capacity	20°
Operating weight	900 kg

**2 x 6.5 kw****3 x 2 kw****36 kWh****IPX4**

Drive motors

Cutting motors

Battery capacity

Water resistance

Equivalent to 70 hp

Cutting area up to 100,000 m<sup>2</sup>  
Runtime up to 8 hrs

£12,117 savings in TCO

## ZTC152R Zero Turn

ERP: 7401686 | EAN: 6936854138252 **ZTC152 SIDE DISCHARGE** ERP: 7401086 | EAN: 6952909093475

The ZTC152 Zero Turn is powered by the MEGA 24K battery exclusive to Cramer's OptimusZ range of product, the mower offers a cutting area of up to 85,000 m<sup>2</sup> on a single charge. This model offers a 152 cm cutting width available with two deck types: either side discharge or rear discharge, both of which also feature optional high-performance mulching.

- + Cut areas of up to 85,000 m<sup>2</sup> on a single charge
- + A combination of an equivalent power of 65 HP and a blade tip speed of up to 3400 rpm, superior cut quality is generated every time, every day.
- + 360 degree lighting keeps the operator safe in lower light conditions
- + No toxic emissions, no fumes, very low vibrations and little to no noise for the best operator comfort and experience
- + 5 individually controlled electric motors deliver speed without sacrificing cut quality in all conditions.



### SPECIFICATIONS

Cutting deck width	152 cm
Cutting deck type	Rear-discharge/mulching or side-discharge/mulching
Max. drive speed	25,6 km/h
Max. blade tip speed	3,200 rpm
Height adjustment	25 - 127 mm (17 levels)
Max. slope capacity	20°
Operating weight	720 kg

**2 x 5 kw****3x2 kW/3x1.8 kW****24 kWh****IPX4**

Drive motors

Cutting motors

Depending on model

Battery capacity

### ZTC152 CUTTING DECK OPTIONS:

Choose from either Rear Discharge, or Side Discharge

Equivalent to 65 hp

Cutting area up to 85,000 m<sup>2</sup>  
Runtime up to 8 hrs

£16,445 savings in TCO

# Optimus Zero Turn Features



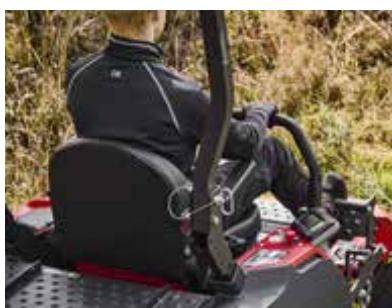
The improved foldable ROPS design also features integrated front and rear halo LED lights for maximum visibility in low light conditions.



The integrated service switch allows safe access for servicing by isolating the batteries before dealers remove the machine covers.



The OptimusZ is built without compromise, featuring a 50 x 76 mm steel frame rail, oversized 3.4 mm I-beam and reinforced front castor arms for durability.



The improved OptimusZ seat offers exceptional comfort, with integrated arm rests and fully adjustable seat suspension. The ZTC182R also features a built-in head rest to reduce operator fatigue over long periods of mowing.



OptimusZ ride-on mowers feature an ETO connection at the front and rear of the machine, allowing for powered attachments such as the ETO Blower or the recharging of batteries.



The new rear discharge deck is fabricated from 4.5 mm thick steel with 6.4 mm side wear plates for protection. The blade motor mounting points are reinforced with an extra 3.4 mm layer for additional strength.

## ZTC132R Zero Turn

ERP: 7401586 | EAN: 6936854138245

The ZTC132R is fitted with the MEGA 24K battery pack and offers the same innovative features as the ZTC152 but in a smaller deck configuration. The ZTC132R is equipped with a 132 cm wide rear discharge deck. The aerodynamically designed deck features counter rotating blades to produce the maximum air flow that disperses grass clippings to the rear of the mower. The optional high-performance mulching function ensures total versatility for different jobs.

- Cut areas of up to 75,000 m<sup>2</sup> on a single charge
- The MEGA 24 kWh battery will fully charge overnight using the included charger
- Built and designed to operate in rain or sun with IPX4 certification
- Convenient LCD screen gives the operator access to adjust drive speed, blade tip speed as well as choose preferred language
- With a battery first design, the mower has an exceptionally low centre of gravity for working on slopes of up to 20°



### SPECIFICATIONS

Cutting deck width	132 cm
Cutting deck type	Rear-discharge/mulching
Max. drive speed	25,6 km/h
Max. blade tip speed	3,400 rpm
Height adjustment	25 - 127 mm (17 levels)
Max. slope capacity	20°
Operating weight	650 kg

Equivalent to **65 hp**

Cutting area up to **75,000 m<sup>2</sup>**  
Runtime up to **8 hrs**

£**14,758** savings in TCO

**2 x 5 kW**

**3 x 2 kW**

**24 kWh**

Drive motors

Cutting motors

**IPX4**

Water resistance

## ZTC122R Zero Turn

ERP: 7401486 | EAN: 6936854138238

The ZTC122R is fitted with the MEGA 24K battery pack and offers the same innovative features as the ZTC132R but in a more compact design. The ZTC122R is equipped with a 122 cm wide rear discharge deck with optional high-performance mulching function. Despite its compact size, the ZTC122R is still capable of cutting areas up to 65,000 m<sup>2</sup> on a single charge.

- + Cut areas of up to 65,000 m<sup>2</sup> on a single charge
- + The MEGA 24K battery will fully charge overnight using the included charger
- + Built and designed to operate in rain or sun with IPX4 certification
- + Convenient LCD screen gives the operator access to adjust drive speed, blade tip speed as well as choose preferred language
- + With a battery first design, the mower has an exceptionally low centre of gravity for working on slopes of up to 20°



### SPECIFICATIONS

Cutting deck width	122 cm
Cutting deck type	Rear-discharge/mulching
Max. drive speed	25,6 km/h
Max. blade tip speed	3,400 rpm
Height adjustment	25 - 127 mm (17 levels)
Max. slope capacity	20°
Operating weight	600 kg

**2 x 5 kW**  
Drive motors

**3 x 2 kW**  
Cutting motors

**24 kWh**  
Battery capacity

**IPX4**  
Water resistance

- 👉 Equivalent to 65 hp
- ⌚ Cutting area up to 65,000 m<sup>2</sup>  
Runtime up to 8 hrs
- 💷 £9,613 savings in TCO

## ZTCS92 Zero Turn Stand-on

ERP: 7400886 | EAN: 6952909093451

The ZTCS92 is our professional zero turn stand-on mower. Featuring a 92 cm steel deck and twin 1.8 kW blade motors for exceptional cutting performance and productivity across areas of up to 28,000 m<sup>2</sup> (4.5 hours of mowing) on a single charge. With ergonomic design and excellent visibility for comfort during long periods of use, and high manoeuvrability thanks to the stand-on design and individual wheel motors to turn on the spot.



### SPECIFICATIONS

Cutting deck width	92 cm
Cutting deck type	Side-discharge/mulching
Max. drive speed	16 km/h
Max. blade tip speed	3,600 rpm
Height adjustment	25 - 127 mm (17 levels)
Max. slope capacity	20°
Operating weight	430 kg

**2 x 2.2 kW**  
Drive motors

**2 x 1.8 kW**  
Cutting motors

**8 kWh**  
Battery capacity

**IPX4**  
Water resistance

- 👉 Equivalent to 27 hp
- ⌚ Cutting area up to 28,000 m<sup>2</sup>  
Runtime up to 4.5 hrs
- 💷 £12,583 savings in TCO

## ETOBL51R/S ETO Blower

The ETO Blower adds new functionality to the OptimusZ range, allowing for fast clearing across the largest areas from the comfort of the operator's seat. With a max blowing speed of 381 km/h and a max blowing force of 51 N, the ETOBL51 can move anything in its path. With easy attachment and Bluetooth connectivity, the blower features a motorised rotation, allowing 120° of movement when mounted to ensure air is directed exactly where required.

- Easy and quick to install on the front mounted ETO hitch
- High power - 381 km/h blowing speed / 51 N force
- Large clearing volume of 1,782 m<sup>3</sup>/h
- 120° motorized rotation for directional airflow
- Bluetooth control box for intuitive operator controls
- Low noise operation - 65 dB at lowest setting
- Fits all Optimus Zero Turns, just choose if you want it to fit the Stand-On or Ride-On models

### SPECIFICATIONS

Blow Force	51 N
Max. Blow Speed	381 km/h
Max. Blow Volume	1.782 m <sup>3</sup> /h
Max. Rotation	120°
Control box connection	Bluetooth
Speed settings	3 levels

**ETOBL51R RIDE-ON** ERP: 7504286 | EAN: 6936854143829  
**ETOBL51S STAND-ON ZTCS92** ERP: 7500786 | EAN: 6936854138047



## Optimus Zero Turn Stand-on Features



The new stand-on mower is highly manoeuvrable and versatile. The design is optimised for narrow passages and easy transportation.



The practical stand-on Zero Turn has an easy-to-use jump on and off possibility, allowing operators to carry out different tasks without wasting time.



User friendly digital touchscreen - displaying status of mower and drive speed as well as numerous settings.



The well thought out design of the stand-on mower offers a robust cutting deck.

# Specification



Feature	ZTC182R	ZTC152R	ZTC152
ERP	7401786	7401686	7401086
EAN	6936854138269	6936854138252	6952909093475
Cutting deck width	182 cm	152 cm	152 cm
Battery capacity	36 kWh	24 kWh	24 kWh
Equivalent	70 HP	65 HP	65 HP
Max. runtime	8 hrs	8 hrs	8 hrs
Max. area coverage	100,000 m <sup>2</sup>	85,000 m <sup>2</sup>	85,000 m <sup>2</sup>
Cutting deck type	Rear-discharge/Mulching	Rear-discharge/Mulching	Side-discharge/Mulching
Drive motors	2x 6.5 kW, Hub Motors	2x 5 kW, Hub Motors	2x 5 kW, Hub Motors
Cutting motors	3x 2 kW	3x 2 kW	3x 1.8 kW
Max. Slope capacity	20°	20°	20°
Max. Drive Speed	22.5 km/h	25.6 km/h	25.6 km/h
Max. Blade Speed	3,200 RPM	3,200 RPM	3,200 RPM
Height adjustment	25 - 127 mm (17 levels)	25 - 127 mm (17 levels)	25 - 127 mm (17 levels)
Max. carry weight	110 kg (rear)	110 kg (rear)	110 kg (rear)
Cutting deck height adjustment	Electric	Manual	Manual
ETO connector (front/rear)	Yes	Yes	Yes
LED 360° / Warning lights	Yes	Yes	Yes
Roll over protection	Yes	Yes	Yes
Integrated tow hitch	Yes	Yes	Yes
Water resistance	IPX4	IPX4	IPX4
Charge time (with 3 kW Charger)	12 hrs	8 hrs	8 hrs
Operating weight	900 kg	720 kg	720 kg

# Accessories

## Accessory

ZTR blades  
3 pcs\*



ZTR blades for  
rear discharge  
3 pcs



ZTR mulch kit  
(incl. baffles,  
blades and cutting  
deck closure)



## Compatibility

**ZTC152** 7500686<sup>†</sup>      **ZTCS92** 7501086  
**ZTCS92** 7500486<sup>†</sup>

**ZTC182R** 7501586      **ZTC152R** 7501386  
**ZTC132R** 7501286      **ZTC122R** 7501186

**ZTC182R** 7502086      **ZTC152** 7503286  
**ZTC152R** 7501986      **ZTC132R** 7501886  
**ZTC122R** 7501786      **ZTC92** 7501686

\* ZTCS92 2 pcs    † Mulching blades

**ZTC132R**

7401586	7401486	7400886
6936854138245	6936854138238	6952909093451
132 cm	122 cm	92 cm
24 kWh	24 kWh	8 kWh
65 HP	65 HP	27 HP
8 hrs	8 hrs	4.5 hrs
75,000 m <sup>2</sup>	65,000 m <sup>2</sup>	28,000 m <sup>2</sup>
Rear-discharge/Mulching	Rear-discharge/Mulching	Side-discharge/Mulching
2x 5 kW, Hub Motors	2x 5 kW, Hub Motors	2x 2.2 kW, Hub Motors
3x 2 kW	3x 2 kW	2x 1.8 kW
20°	20°	20°
25.6 km/h	25.6 km/h	16 km/h
3,400 RPM	3,400 RPM	3,600 RPM
25 - 127 mm (17 levels)	25 - 127 mm (17 levels)	25 - 127 mm (17 levels)
110 kg (rear)	110 kg (rear)	110 kg (front)
Manual	Manual	Manual
Yes	Yes	Front
Yes	Yes	Front
Yes	Yes	No
Yes	Yes	Yes
IPX4	IPX4	IPX4
8 hrs	8 hrs	3 hrs
650 kg	600 kg	430 kg

**ZTC122R**

7401586	7401486	7400886
6936854138245	6936854138238	6952909093451
132 cm	122 cm	92 cm
24 kWh	24 kWh	8 kWh
65 HP	65 HP	27 HP
8 hrs	8 hrs	4.5 hrs
75,000 m <sup>2</sup>	65,000 m <sup>2</sup>	28,000 m <sup>2</sup>
Rear-discharge/Mulching	Rear-discharge/Mulching	Side-discharge/Mulching
2x 5 kW, Hub Motors	2x 5 kW, Hub Motors	2x 2.2 kW, Hub Motors
3x 2 kW	3x 2 kW	2x 1.8 kW
20°	20°	20°
25.6 km/h	25.6 km/h	16 km/h
3,400 RPM	3,400 RPM	3,600 RPM
25 - 127 mm (17 levels)	25 - 127 mm (17 levels)	25 - 127 mm (17 levels)
110 kg (rear)	110 kg (rear)	110 kg (front)
Manual	Manual	Manual
Yes	Yes	Front
Yes	Yes	Front
Yes	Yes	No
Yes	Yes	Yes
IPX4	IPX4	IPX4
8 hrs	8 hrs	3 hrs
650 kg	600 kg	430 kg

**ZTCS92**

7400886	6952909093451	7400886
6952909093451	6952909093451	6952909093451
92 cm	92 cm	92 cm
8 kWh	8 kWh	8 kWh
27 HP	27 HP	27 HP
4.5 hrs	4.5 hrs	4.5 hrs
28,000 m <sup>2</sup>	28,000 m <sup>2</sup>	28,000 m <sup>2</sup>
Side-discharge/Mulching	Side-discharge/Mulching	Side-discharge/Mulching
2x 2.2 kW, Hub Motors	2x 2.2 kW, Hub Motors	2x 2.2 kW, Hub Motors
2x 1.8 kW	2x 1.8 kW	2x 1.8 kW
20°	20°	20°
16 km/h	16 km/h	16 km/h
3,600 RPM	3,600 RPM	3,600 RPM
25 - 127 mm (17 levels)	25 - 127 mm (17 levels)	25 - 127 mm (17 levels)
110 kg (front)	110 kg (front)	110 kg (front)
Manual	Manual	Manual
Front	Front	Front
Front	Front	Front
No	No	No
Yes	Yes	Yes
IPX4	IPX4	IPX4
3 hrs	3 hrs	3 hrs
430 kg	430 kg	430 kg

**Accessory**

ZTR Tweels  
1 pc.

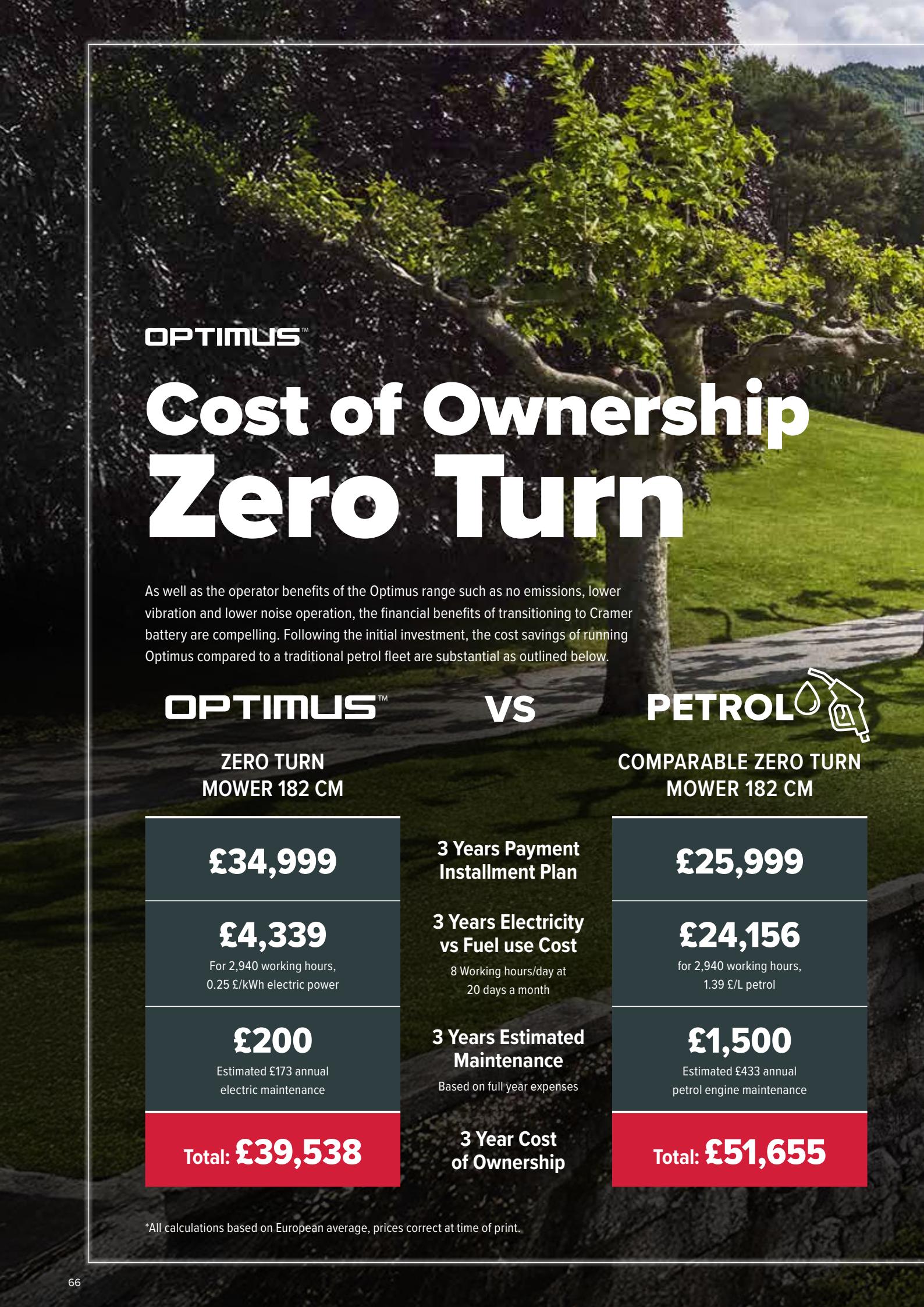


Maintenance  
Jack (for lifting  
the ZTRs)

**Compatibility**

ZTC152R 7502186  
ZTC152 7502186

All ZTRs  
7502386



OPTIMUS™

# Cost of Ownership Zero Turn

As well as the operator benefits of the Optimus range such as no emissions, lower vibration and lower noise operation, the financial benefits of transitioning to Cramer battery are compelling. Following the initial investment, the cost savings of running Optimus compared to a traditional petrol fleet are substantial as outlined below.

OPTIMUS™

VS

PETROL 

ZERO TURN  
MOWER 182 CM

**£34,999**

**£4,339**

For 2,940 working hours,  
0.25 £/kWh electric power

**£200**

Estimated £173 annual  
electric maintenance

**Total: £39,538**

3 Years Payment  
Installment Plan

3 Years Electricity  
vs Fuel use Cost

8 Working hours/day at  
20 days a month

3 Years Estimated  
Maintenance

Based on full year expenses

3 Year Cost  
of Ownership

**£25,999**

**£24,156**

for 2,940 working hours,  
1.39 £/L petrol

**£1,500**

Estimated £433 annual  
petrol engine maintenance

COMPARABLE ZERO TURN  
MOWER 182 CM

\*All calculations based on European average, prices correct at time of print.



## ASSUMPTIONS\*

Average working hours	8 hr / day
Average (electricity/petrol) consumption per hour	5.143 Wh / 6.0 L
Average petrol price	1.39 £/L
Average electric power	0.25 £/kWh

## SAVINGS BATTERY VS PETROL AFTER 3 YEARS OF OWNERSHIP

= £12,117

**OPTIMUS™**

Zero Turn ZTC182R



OPTIMUS™

# All Terrain Mowers

Maximum productivity across any terrain



82V

## Let the machine do the work

With independently controlled electric hub motors, the ATM™ mower will tackle any terrain and any job.

## Choice of cutting functions

ATM™ mowers offer the versatility to collect, mulch, or discharge grass clippings.

\*Rear side discharge accessory sold separately.

## Powered by 82V standard or CORE batteries

Optimus offers unrivalled power, with all ATM™ mowers compatible with either 82V standard batteries or the latest generation CORE range. To unleash the full potential of the Optimus ATM™, the CORE batteries enable maximum power in a lighter package.

## Single lever cut height adjustment

Enjoy the convenience of setting your preferred cut height at one single point, enhancing productivity when moving between different areas.

### OPTIMUS™

#### ALL TERRAIN MOWERS RANGE OVERVIEW



OPTIMUS™

# All Terrain Mowers

Optimus ATM™ is the next generation of battery powered professional lawnmowers. The 82V battery powered all terrain mowers not only rival and exceed the performance of traditional petrol mowers, but also unleash innovative product features to enable professionals to work faster and safer than ever before.

## Multiple Battery Slots

The motorheads feature two or even three battery slots (depending on the model) to extend runtimes across areas up to 3,600 m<sup>2</sup> on a single charge.



## LED Light

The integrated front LED light gives a clear view in low light areas such as under trees, or when mowing early or late in the day.



## Large Fixed or Caster Wheels

Large and wide wheels with high grip rubber tyres for maximum traction across differing terrains. The addition of the caster wheel model adds extra manoeuvrability and productivity.

## Control Panel

The ATM™ control panel features all operator controls for drive, speed, and blade engagement as well as an integrated digital display.

## Handbrake

Increases safety by giving the user better control and reducing the risk of accidents

## Blade Motor

The ATM™ range offer industry leading power from intelligent brushless motors, featuring high torque and intelligent power delivery for a consistent cut in any conditions.

## Heavy Duty Handles

The heavy duty handles not only feature full height adjustment to suit the operator, but also fold down for transportation.

## Large Collector

All ATM™ models feature large grass collectors up to 85 L, with dust covers to protect operators in dry conditions.

## Hub Motor

Independently controlled in wheel hub motors generate high torque and phenomenal traction across all terrain types and slopes.



OPTIMUS™

# All-Terrain™ Drive System

The ATM™ Drive System is designed to conquer all terrains with advanced independent motor control. Unlike traditional mowers that rely on a single motor, the ATM™ features independent motors for each wheel and each cutting blade. Whether climbing a steep slope or descending into thick grass, the cutting quality remains consistent, with the mower maintaining full traction and power for ultimate productivity.





## Independent Motor Control

Each motor on the ATM™ operates independently, ensuring that the cutting speed is never compromised by the demands on the wheel motors. Whether the rear wheels require extra power to ascend slopes or the cutting motor needs to accelerate through heavy grass, each component performs optimally without affecting the machines performance.



## Precision on Slopes

The ATM™ excels on slopes, maintaining a straight, controlled path even on steep inclines. The dual hub motors independently control each wheel, allowing the mower to tackle up to 25° slopes without losing traction or cutting performance.



## Controlled Hill Descent with Superior Grip

Going downhill the ATM™ offers unmatched control. The advanced rubber tires provide exceptional traction, and the intelligent motors automatically adjust to slow the speed, giving you full control and a safe mowing experience on steep descents.



## High-Torque Cutting

The powerful cutting motor delivers a constant up to 3,600 RPM blade speed, ensuring high quality cutting through thick grass. This ultra-high-torque motor operates independently of the wheel motors, guaranteeing that cutting performance is never compromised, regardless of terrain challenges.

**ATM76SC**

ERP: 2505886 | EAN: 6936854138054

The ATM76SC is a highly manoeuvrable twin blade self-propelled lawn mower for professional use, featuring a wide 76 cm robust steel cutting deck with dual motors and heavy-duty front castor wheels for unrivalled productivity. The ATM™ drive system offers exceptionally traction and stability over any terrain and slopes up to 25°.

- + Heavy duty front castor wheels
- + Twin blade performance
- + Triple battery slots
- + 3 in 1 function: rear collection, mulching, rear side discharge (optional)
- + Height adjustment offers 8 positions from 38 – 127 mm
- + Variable speed from 2.16 – 6.4 km/h
- + IPX5 – All weather proof
- + Handbrake for added safety

**NEW!****SPECIFICATIONS**

Cutting deck type	Collecting, mulching, rear-side-discharge (optional)
Cutting deck material	Fabricated steel
Max. power	6.48 kW
Rated power cutting motor	3.6 kW
Max. drive speed	6.4 km/h, (6 levels, 1 reverse)
Max. blade speed	3,600 rpm
Height adjustment	Central, 38 - 127 mm (8 levels)
Collecting bag	Fabric, 85 L
Weight (baretool)	88.7 kg

**76 cm****25°****Three****IPX5**

Cutting deck width

Max. slope capacity

Battery slots

Water resistance

Equivalent to **230 cc** performance

Cutting area up to **3,600 m²**

£1,759 savings in TCO

**ATM76S**

ERP: 2505786 | EAN: 6936854137750

The ATM76S is an innovative twin blade self-propelled lawn mower for professional use, featuring a wide 76 cm robust steel cutting deck with dual motors for exceptional cutting performance and unrivalled productivity equivalent to 230 cc. The ATM™ drive system offers exceptionally traction and stability over any terrain and slopes up to 25°.

- + Twin blade performance
- + Triple battery slots
- + 3 in 1 function: rear collection, mulching, rear side discharge (optional)
- + Height adjustment offers 8 positions from 38 – 127 mm
- + Variable speed from 2.16 – 6.4 km/h
- + Low vibration: hand/arm vibration of just < 2.5 m/s<sup>2</sup>
- + IPX5 – All weather proof
- + Handbrake for added safety

**NEW!****SPECIFICATIONS**

Cutting deck type	Collecting, mulching, rear-side-discharge (optional)
Cutting deck material	Fabricated steel
Max. power	6.48 kW
Rated power cutting motor	3.6 kW
Max. drive speed	6.4 km/h, (6 levels, 1 reverse)
Max. blade speed	3,600 rpm
Height adjustment	Central, 38 - 127 mm (8 levels)
Collecting bag	Fabric, 85 L
Weight (baretool)	85 kg

**76 cm****25°****Three****IPX5**

Cutting deck width

Max. slope capacity

Battery slots

Water resistance

Equivalent to **230 cc** performance

Cutting area up to **3,600 m²**

£2,059 savings in TCO



The ATM™ drive system features variable speed from 2.16 – 6.4 km/h across any terrain including slopes up to 25°

## All Terrain Mower Features



The triple battery slots maximise runtime over areas up to 3,600 m<sup>2</sup> on a single charge



The fully height adjustable handles feature an integrated control panel with digital display



Central height adjustment offers 8 positions from 38 – 127 mm for any area



The large grass collector is equipped with a dust cover, protecting the operator when working in dry conditions

## ATM53A

ERP: 2504686 | EAN: 6952909094731

The ATM53A is a high-performance self-propelled lawn mower for professional use, featuring a 53 cm durable aluminium cutting deck with 4 kW motor for exceptional cutting performance and unrivalled productivity equivalent to 165 cc. The ATM™ drive system offers exceptionally traction and stability over any terrain and slopes up to 25°.

- + Durable cast aluminium deck
- + Dual battery slots
- + 3 in 1 function: rear collection, mulching, rear side discharge (optional)
- + Central Height adjustment - 8 positions from 25 – 115 mm
- + Variable speed from 2.16 – 6.4 km/h
- + Low vibration of just < 2.5 m/s<sup>2</sup>
- + IPX5 – All weatherproof



### SPECIFICATIONS

Cutting deck type	Collecting, mulching, rear-side-discharge (optional)
Cutting deck material	Cast aluminium
Max. power	4 kW
Rated power cutting motor	2.5 kW
Max. drive speed	6.4 km/h, (6 levels, 1 reverse)
Max. blade tip speed	3,000 rpm
Height adjustment	Central, 25 - 115 mm (8 levels)
Collecting bag	Fabric, 70 L
Weight (Baretool)	53 kg

53 cm	25°	Two	IPX5
Cutting deck width	Max. slope capacity	Battery slots	Water resistance

Equivalent to 165 cc

Cutting area up to 2,500 m<sup>2</sup>

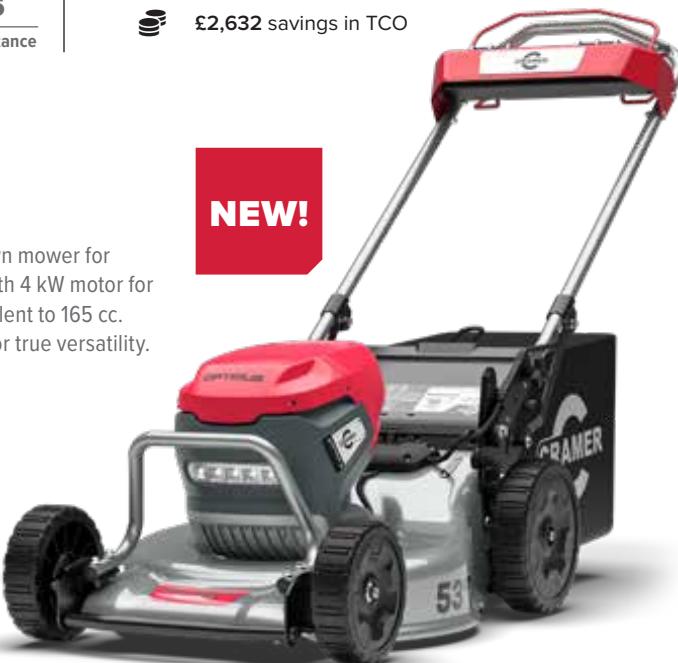
£2,632 savings in TCO

## LM530CS

ERP: 2505986 | EAN: 6936854138061

The LM530CS is an entry level high-performance self-propelled lawn mower for professional use, featuring a 53 cm fabricated steel cutting deck with 4 kW motor for exceptional cutting performance and unrivalled productivity equivalent to 165 cc. Featuring a large 70L collector and on demand mulching function for true versatility.

- + Fabricated steel deck
- + Dual battery slots
- + 2 in 1 function: rear collection, mulching
- + Central Height adjustment - 8 positions from 25 – 102 mm
- + Variable speed from 2.16 – 6.4 km/h
- + Low vibration of just < 2.5 m/s<sup>2</sup>
- + IPX5 – All weatherproof
- + Mulch on-demand lever for easy setting



### SPECIFICATIONS

Cutting deck type	Collecting, mulching
Cutting deck material	Fabricated steel
Max. power	4 kW
Rated power cutting motor	2.5 kW
Max. drive speed	6.4 km/h, (6 levels, 1 reverse)
Max. blade speed	3,000 rpm
Height adjustment	Central, 25 - 102 mm (8 levels)
Collecting bag	Fabric, 70 L
Weight (Baretool)	49.5 kg

53 cm	25°	Two	IPX5
Cutting deck width	Max. slope capacity	Battery slots	Water resistance

Equivalent to 165 cc

Cutting area up to 2,000 m<sup>2</sup>

£1,437 savings in TCO

\* All stated times are "up to" measures and are measured under light mowing conditions during safe and controlled ways of working with 2 x CORE530 batteries. See more on page 104.

# Specification



Feature	ATM76SC	ATM76S	ATM53A	LM530CS
ERP	2505886	2505786	2504686	2505986
EAN	6936854138054	6936854137750	6952909094731	6936854138061
Cutting deck width	76 cm	76 cm	53 cm	53 cm
Cutting deck material	Fabricated steel	Fabricated steel	Cast aluminium	Fabricated steel
Equivalent	230 cc	230 cc	165 cc	165 cc
Max. area coverage	3,600 m <sup>2</sup>	3,600 m <sup>2</sup>	2,500 m <sup>2</sup>	2,000 m <sup>2</sup>
Battery slots	Three	Three	Two	Two
Cutting deck type	Collecting, mulching, rear-side-discharge (optional)	Collecting, mulching, rear-side-discharge (optional)	Collecting, mulching, rear-side-discharge (optional)	Collecting, mulch on-demand
Cutting motors	Two	Two	One	One
Max. power / rated power cutting motor	6.48 kW / 3.6 kW	6.48 kW / 3.6 kW	4 kW / 2.5 kW	4 kW / 2.5 kW
Drive motors	Rear-hub-motors	Rear-hub-motors	Rear-hub-motors	Transmission
All terrain drive	Yes	Yes	Yes	Yes
Max. slope capacity	25°	25°	25°	25°
Max. drive speed	6.4 km/h, (6 levels, 1 reverse)	6.4 km/h, (6 levels, 1 reverse)	6.4 km/h, (6 levels, 1 reverse)	6.4 km/h, (6 levels, 1 reverse)
Max. blade tip speed	3,600 RPM	3,600 RPM	3,000 RPM	3,000 RPM
Height adjustment	Central, 38 - 127 mm (8 levels)	Central, 38 - 127 mm (8 levels)	Central, 25 - 115 mm (8 levels)	Separate, 25 - 102 mm (8 levels)
Collecting bag	Fabric, 85 L	Fabric, 85 L	Fabric, 70 L	Fabric, 70 L
User panel	Yes	Yes	Yes	Yes
Front-protection / transport support handle	Yes	Yes	Yes	Yes
LED lights	Yes	Yes	Yes	Yes
Water resistance	IPX5	IPX5	IPX5	IPX5
Weight (baretool)	88.7 kg	85 kg	53 kg	49.5 kg

## Accessories

Accessory	ATM76SC	ATM76S	ATM53A	LM530CS
Lawnmower blade 53 cm for collecting/discharge	–	–	2919986	LM53BLA1
Lawnmower blades 76 cm for collecting/discharge 2 pcs.	2916786	2916786	–	–
Lawnmower blade 53 cm for mulching	–	–	2920086	LM53MBLA1
Lawnmower blades 76 cm for mulching 2 pcs.	2919886	2919886	–	–
Lawnmower rear-side-discharge chute 53 cm (left sided)	–	–	2918186	–
Lawnmower rear-side-discharge chute 76 cm (right sided)	2919186	2919186	–	–

OPTIMUS™

# Handhelds

Engineered for performance,  
built to last



82V

## User friendly control

The Optimus handheld range have been designed for simplicity in operation, with clear and functional easy to reach controls, and many models featuring operational displays.

## Lightweight and ergonomic

All handheld models are built for maximum durability and minimum weight by using quality materials such as magnesium. This low machine weight and exceptional ergonomic design allow all day use without operator fatigue.

## Next level performance

All Optimus handheld products are designed for the ultimate performance and productivity which rivals and exceeds their petrol equivalents. Producing zero emissions, huge cost savings, and all day use thanks to low vibration levels.

## A tool for every job

The handheld range includes everything the professional needs to carry out daily jobs, from trimming and cutting to blowing, all jobs can be carried out with the same 82V battery for total convenience and versatility.

### OPTIMUS™

### HANDHELDS RANGE OVERVIEW

#### Trimmer and Brush Cutters

T13  
T16  
T20  
TB13H  
TB20H  
TB20L



#### Hedge Trimmers

HT61  
HT71



#### Pole Hedge Trimmers

PH22  
PHT32



#### Pole Saw

PST39



#### Chainsaws

CS30  
CS36  
CS45



#### Blowers

B26  
BB36  
BB42



#### Power Cutters

PC300  
PC350



**TB13H**

ERP: TB13HA1 | EAN: 6936854145601

The TB13H is a high-performance lightweight professional brush cutter for clearing overgrown areas, offering variable speed setting up to 5,500 rpm and exceptional comfort from the fully adjustable high tower bike handle and ergonomic operator harness. Premium components include a magnesium protection plate for additional durability and a high-performance 1.45 kW motor to rival the performance of 30 cc petrol equivalents.

**NEW!**

- + Variable speed setting up to 5,500 rpm with trimmer head
- + High tower adjustable bike handle system for optimum ergonomics
- + Professional high torque gearbox
- + Comes complete with QuikLoad 400 trimmer head, and tri-blade
- + 1.45 kW brushless high performance motor rivalling 30 cc petrol performance
- + Twin strap shoulder harness
- + Durable 25 mm aluminium shaft

**SPECIFICATIONS**

Motor	Top mount
Cutting equipment (included)	Line, blade
Carrying system included	Double shoulder harness
Max. line speed	5,500 rpm
Max. tri-blade speed	5,500 rpm
Line trimmer head	QuikLoad 400
Speed levels	3-speed, reverse
Max. line capacity	7.3 m
Shaft diameter	25 mm
Weight (baretool)	5.5 kg

**1.45 kW****43 cm\*****High tower****IPX5**

Max. power

Cutting width

Handle type

Water resistance

\* with trimmer line

**TB20L**

ERP: 2103286 | EAN: 6936854102062

The TB20L has the same professional features as the TB20H, the only difference being the lower tower handle mounting. Ideal for professionals who don't work with a Brush Cutter all day, but still want the same exceptional performance.

- + Variable speed setting up to 8,000 rpm
- + Low tower adjustable handle system
- + Professional high torque gearbox
- + Comes complete with rapid reload trimmer head, tri-blade, and saw blade
- + 2 kW brushless high performance motor rivalling 45 cc petrol performance
- + Ergonomic twin strap Brush Cutter harness
- + Durable 28 mm aluminium shaft

**SPECIFICATIONS**

Motor	Top mount
Cutting equipment (included)	Line, blade, saw
Carrying system included	Ergonomic harness
Max. line and blade speed	5,500 rpm
Saw blade speed	8,000 rpm
Line trimmer head	Rapid reload
Speed levels	3-speed, reverse
Max. line capacity	10 m
Shaft diameter	28 mm
Weight (baretool)	6.35 kg

**2.0 kW****45 cm\***

Max. power

Cutting width

**Low tower****IPX5**

Handle type

Water resistance

**Equivalent to 45 cc****Runtime up to 137 mins\*\*****£3,386 savings in TCO**

\* with trimmer line \*\* All stated times are "up to" measures and are measured under light conditions during safe and controlled ways of working with 1x CORE530 batteries. See more on page 104.

**TB20H**

ERP: 2103186 | EAN: 6936854102048

The TB20H is a high-performance professional Brush Cutter for clearing overgrown areas, offering exceptional comfort from the fully adjustable high tower bike handle and ergonomic operator harness. Premium components include a magnesium protection plate for additional durability and an ultra-high-performance 2 kW motor to rival the performance of 45 cc petrol equivalents.

- Variable speed setting up to 8,000 rpm
- High tower adjustable handle system for optimum ergonomics
- Professional high torque gearbox
- Comes complete with rapid reload trimmer head, tri-blade, and saw blade
- 2 kW brushless high performance motor rivalling 45 cc petrol performance
- Ergonomic twin strap Brush Cutter harness
- Durable 28 mm aluminium shaft

**SPECIFICATIONS**

Motor	Top mount
Cutting equipment (included)	Line, blade, saw
Carrying system included	Ergonomic harness
Max. line and blade speed	5,500 rpm
Saw blade speed	8,000 rpm
Line trimmer head	Rapid reload
Speed levels	3-speed, reverse
Max. line capacity	10 m
Shaft diameter	28 mm
Weight (baretool)	6.7 kg

**2.0 kW****45 cm\*****High tower****IPX5**

Max. power

Cutting width

Handle type

Water resistance

Equivalent to 45 cc

Runtime up to 137 mins\*\*

£3,386 savings in TCO

\* with trimmer line

## Optimus Trimmer/Brush Cutter Features



For added durability all models feature a lightweight yet durable magnesium protection plate under the battery housing.



All controls are designed to be clear and simple to use, with a choice of 3 speed settings, reverse function, and power switches.



The Optimus Trimmer/Brush Cutter range offers a choice of handles for any job, from a lightweight loop handle grass trimmer to a high tower adjustable bike handle depending on personal preference.



The TB20H & L include a rapid reload trimmer head, tri-blade, and saw blade to tackle a variety of material from grass through to brambles and small saplings.



All models are designed for maximum performance and minimum weight, allowing for fatigue free work throughout the day.



The variable speed trigger offers the operator total control while working, delivering the required power for the job.

**T13**

ERP: T13A1 | EAN: 6936854144147

The T13 is a high-performance lightweight professional grass trimmer for fast and accurate work with maximum manoeuvrability and variable speed setting up to 5,500 rpm. Featuring an ergonomic loop handle with J bar, the T13 offers high performance trimming and edging while keeping weight to a minimum at just 4.4 kg. Premium components include a magnesium protection plate for additional durability and a high-performance 1.45 kW motor to rival the performance of 30cc petrol equivalents.

**NEW!**

- + Variable speed setting up to 5,500 rpm with trimmer head
- + Loop handle with J bar (for use with tri-blade)
- + Comes complete with QuikLoad 400 trimmer head and tri-blade
- + 1.45 kW brushless high performance motor rivalling 30cc petrol performance
- + Includes single strap harness
- + Durable 25 mm aluminium shaft

**SPECIFICATIONS**

Motor	Top mount
Cutting equipment (included)	Line, blade
Line trimmer head	QuikLoad 400
Speed levels	3-speed, reverse
Max. line capacity	7.3 m
Shaft diameter	25 mm
Weight (baretool)	4.4 kg
<b>1.45 kW</b>	<b>43 cm*</b>
Max. power	Cutting width
	<b>5,500 rpm</b>
	Max. line and blade speed
	<b>IPX5</b>
	Water resistance



Equivalent to 30 cc

Runtime up to 173 mins\*\*

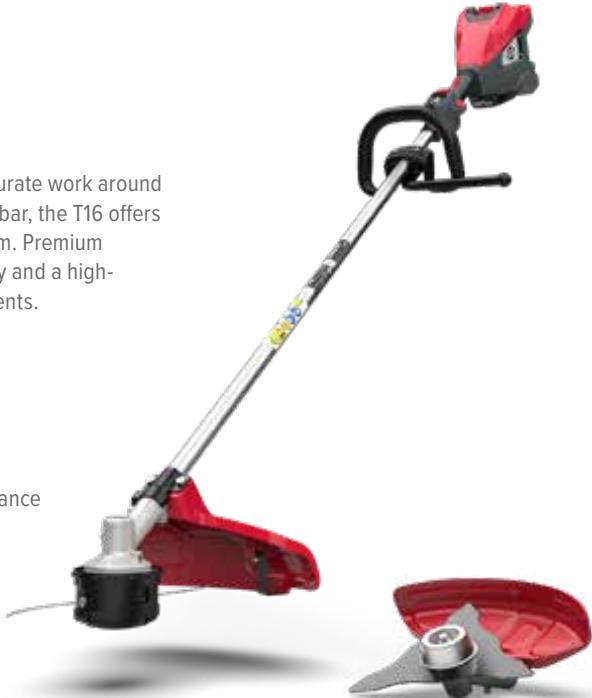
£1,803 savings in TCO

**T16**

ERP: 2102986 | EAN: 6936854102024

The T16 is a high-performance professional grass trimmer for fast and accurate work around lawns, paths and flower beds. Featuring an ergonomic loop handle with J bar, the T16 offers high performance trimming and edging while keeping weight to a minimum. Premium components include a magnesium protection plate for additional durability and a high-performance 1.6 kW motor to rival the performance of 36cc petrol equivalents.

- + Variable speed setting up to 5,500 rpm
- + Loop handle with J bar (for use with tri-blade)
- + Professional high torque gearbox
- + Comes complete with rapid reload trimmer head and tri-blade
- + 1.6 kW brushless high performance motor rivalling 36 cc petrol performance
- + Includes single strap harness
- + Durable 25 mm aluminium shaft



Equivalent to 36 cc

Runtime up to 149 mins\*\*

£1,819 savings in TCO

**SPECIFICATIONS**

Motor	Top mount
Cutting equipment (included)	Line, blade
Line trimmer head	Rapid reload
Speed levels	3-speed, reverse
Max. line capacity	10 m
Shaft diameter	25 mm
Weight (baretool)	5.2 kg
<b>1.6 kW</b>	<b>43 cm*</b>
Max. power	Cutting width
	<b>5,500 rpm</b>
	Max. line and blade speed
	<b>IPX5</b>
	Water resistance

\* with trimmer line \*\* Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1 x CORE530 battery. See more on page 104.

**T20**

ERP: T20A1 | EAN: 6936854146066

The T20 is a high-performance professional grass trimmer for fast and accurate work around lawns, paths and flower beds. Featuring an ergonomic loop handle with J bar, the T20 offers high-performance trimming and edging while keeping weight to a minimum. Premium components include a magnesium protection plate for additional durability and an unrivalled 2.0 kW motor to rival the performance of 45 cc petrol equivalents.

- Variable speed setting up to 5,500 rpm with trimmer head
- Loop handle with J bar (for use with tri-blade)
- Professional high torque gearbox
- Comes complete with QuikLoad 400 trimmer head and tri-blade
- 2.0 kW brushless high performance motor rivalling 45 cc petrol performance
- Includes single strap harness
- Durable 25 mm aluminium shaft

**SPECIFICATIONS**

Motor	Top mount
Cutting equipment (included)	Line, blade
Line trimmer head	QuikLoad 400
Speed levels	3-speed, reverse
Max. line capacity	7.3 m
Shaft diameter	25 mm
Weight (baretool)	5.5 kg
<b>2 kW</b>	
<b>43 cm*</b>	
Max. power	
Cutting width	
<b>5,500 rpm</b>	
Max. line and blade speed	
	<b>IPX5</b>
	Water resistance



Equivalent to 45 cc

Runtime up to 151 mins\*\*

£2,209 savings in TCO

**HT71**

ERP: 2200986 | EAN: 6936854137590

The HT71 is a powerful battery hedge trimmer for professional use, offering ultra-fast cutting performance up to 5,000 cuts per minute to make the most demanding jobs easy. Premium components include a magnesium gearbox for additional durability and low weight, while the 71 cm stainless steel laser cut blades offer the highest productivity.

- 71 cm stainless steel laser cut blades for high productivity
- Adjustable cutting speed up to 5,000 spm
- Ergonomic rear handle with articulation for reduced fatigue
- Lightweight and durable magnesium gearbox
- High performance equivalent to 27 cc petrol
- Perfect balance and low weight of just 3.8 kg (without battery)

**SPECIFICATIONS**

Blade gap	30 mm
Speed levels	2 speeds, reverse
Blade tip protection	Yes
Gearbox	Magnesium
Adjustable handle (left/right)	45°/90°
Weight (baretool)	3.8 kg
<b>20 mm</b>	
<b>71 cm</b>	
Cutting capacity	
Cutting length	
<b>5,000 spm</b>	
Max. cutting speed	
	<b>IPX5</b>
	Water resistance

Equivalent to 27 cc

Runtime up to 563 mins\*\*

£1,408 savings in TCO

# HT61

ERP: 2200886 | EAN: 6952909090252

The HT61 offers the same features as the larger HT71 model but with a shorter and more manoeuvrable 61 cm cutting blade. This increased manoeuvrability and reduced weight make it ideal for smaller jobs.

- + 61 cm stainless steel laser cut blades for high manoeuvrability
- + Adjustable cutting speed up to 5,000 spm
- + Ergonomic rear handle with articulation for reduced fatigue
- + Lightweight and durable magnesium gearbox
- + High performance equivalent to 27 cc petrol
- + Perfect balance and low weight of just 3.5 kg (without battery)



## SPECIFICATIONS

Blade gap	30 mm
Speed levels	2 speeds, reverse
Blade tip protection	Yes
Gearbox	Magnesium
Adjustable handle (left/right)	45°/90°
Weight (baretool)	3.5 kg

**20 mm** Cutting capacity    **61 cm** Cutting length    **5,000 spm** Max. cutting speed    **IPX5** Water resistance

Equivalent to 27 cc

Runtime up to 563 mins\*

£1,460 savings in TCO



\* Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1 x CORE530 battery. See more on page 104.

**PHT32**

ERP: 2301386 | EAN: 6936854102154

The PHT32 is a professional telescopic shaft battery hedge trimmer with articulated dual reciprocating 51 cm blades, offering exceptional cutting performance to make the most demanding jobs easy. Premium components include a magnesium gearbox housing, as well as rubber coated bumper and handles for additional durability. With a length of up to 3.2 m, even the tallest hedges of up to 5 m can be trimmed easily and safely.

- Measures 2.5 m in length and features a telescopic carbon fibre shaft which can extend to 3.2 m
- For extra reach the integrated rear bumper doubles as an additional handle when trimming the tallest hedges
- 51 cm dual reciprocating laser cut blades, with up to 4,500 cuts per minute to ensure a fast and clean finish when trimming hedges
- Anti-jam function ensures maximum productivity when working

**SPECIFICATIONS**

Blade gap	30 mm
Cutting capacity	20 mm
Max. cutting speed	4,500 SPM
Speed levels	2 speeds, reverse
Blade tip protection	Yes
Gearbox	Magnesium
Shaft type	Telescopic, carbon fibre
Weight (Baretool)	5.4 kg

**2.5 - 3.2 m****51 cm****135°, 7 positions****IPX5**

Shaft length

Cutting length

Pivot angle

Water resistance



Equivalent to 27 cc

Runtime up to 493 mins\*

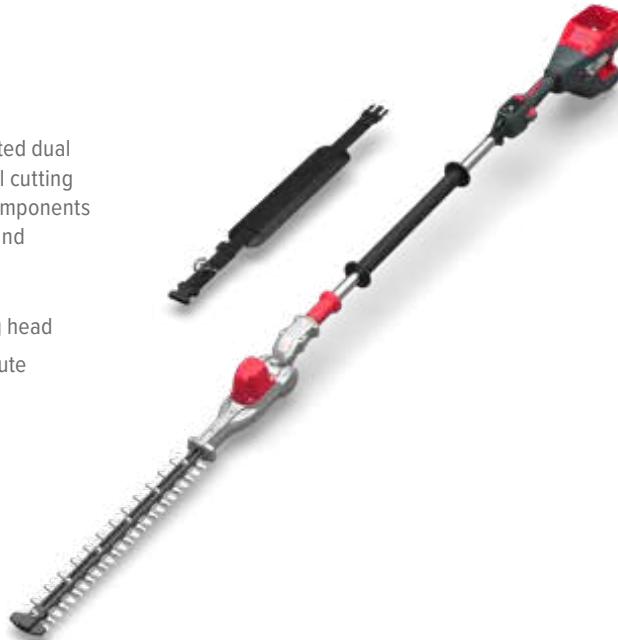
£1,141 savings in TCO

**PH22**

ERP: 2301686 | EAN: 6936854137743

The PH22 is a professional long reach battery hedge trimmer with articulated dual reciprocating 51 cm blades and a total length of 2.2 m, offering exceptional cutting performance and a low weight of just 4.2 kg (without battery). Premium components include a magnesium gearbox housing, as well as rubber coated bumper and handles for additional durability.

- Measures 2.2 m in length and features a quick adjust articulated cutting head
- 51 cm dual reciprocating laser cut blades, with up to 4,500 cuts per minute to ensure a fast and clean finish when trimming hedges



Equivalent to 27 cc

Runtime up to 493 mins\*

£1,211 savings in TCO

**SPECIFICATIONS**

Blade gap	30 mm
Cutting capacity	20 mm
Max. cutting speed	4,500 SPM
Speed levels	2 speeds, reverse
Blade tip protection	Yes
Gearbox	Magnesium
Shaft type	Fixed, aluminium
Weight (Baretool)	4.2 kg

**2.2 m****51 cm****135°, 7 positions****IPX5**

Shaft length

Cutting length

Pivot angle

Water resistance

\* Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1x CORE530 battery. See more on page 104.

**PST39**

ERP: 1401186 | EAN: 6936854102147

The PST39 is powerful telescopic battery pole saw for professional use, offering 36 cc petrol rivalling power to make the most demanding jobs easy. Premium components include a magnesium saw head housing and a lightweight carbon fibre shaft. With a length of up to 3.9 m, even the tallest branches of up to 5 m can be cut safely.

- Powerful battery pole saw for professional use, offering petrol rivalling power and torque to make the most demanding jobs easy
- Telescopic shaft made of carbon fibre for increased stability and reduced weight
- High power and torque delivering a market leading 25 m/s chainspeed for unrivalled cutting performance

**SPECIFICATIONS**

Max. chain speed	25 m/s
Chain pitch	1/4"
Chain gauge	0.05"
Oil tank volume	180 ml
Shaft type	Telescopic, carbon fibre
Weight (without/with cutting equipment)	4.19 / 4.64 kg

**1.0 kW**

Power

**25.4 cm**

Bar length

**2.5 - 3.9 m**

Shaft length

**IPX5**

Water resistance

Equivalent to 36 cc

Runtime up to 120 cuts\*

£1,982 savings in TCO

**CS30**

ERP: CS30A1 | EAN: 6936854146059

The CS30 is a lightweight yet powerful battery chainsaw for professional use, offering exceptional power and torque to make cutting jobs easy. Premium features include our vortex air-duct technology for optimised cooling, while the 3.0 kW motor delivers high a chain speed of 26 m/s to rival and exceed that of a 50 cc petrol equivalent.

**NEW!**

- 3.0 kW motor rivals the performance of a 50 cc petrol equivalent
- Includes professional 46 cm Oregon bar and chain
- Instant torque delivery for maximum productivity
- Easy access air filter for fast maintenance
- Slimline design for perfect balance and optimum manoeuvrability
- Large metal spikes for extra grip
- Status display with low oil level warning indicator

**SPECIFICATIONS**

Blade length included (optional)	46 cm (41 - 51 cm)
Power-to-weight ratio	0.78 kW/kg
Chain pitch	0.325"
Chain gauge	0.050"
Oil tank volume	250 ml
Air-Filter	Yes, exchangeable
Weight (without/with cutting equipment)	3.9 / 4.65 kg

**3.0 kW**

Max. power

**26 m/s**

Max. chain speed

**3 Nm**

Max. torque

**IPX5**

Water resistance

Equivalent to 50 cc

Runtime up to 93 cuts\*

£1,470 savings in TCO

\* Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1 x CORE530 battery. See more on page 104.

**CS45**

ERP: 2001786 | EAN: 6952909094168

The CS45 is the most powerful battery chainsaw we have ever made for professional use, offering industry leading power and torque to make the most demanding jobs easy. Premium components include magnesium housing for additional durability and optimised cooling, while the 4.5 kW motor delivers the highest chainspeed of 30 m/s to rival and exceed that of a 70 cc petrol equivalent.

- 4.5 kW motor rivals the performance of a 70 cc petrol equivalent with 30 m/s chainspeed
- Includes professional 51 cm Oregon bar and chain (optional 61 cm and 71 cm bars available)
- Instant torque delivery for maximum productivity
- Easy access air filter for fast maintenance
- Slimline design for perfect balance and optimum manoeuvrability
- Large dual metal spikes for extra grip
- Status display with realtime oil level monitoring

**SPECIFICATIONS**

Blade length included (optional)	45.72cm - 50.8cm
Power-to-weight ratio	0.43 kW/kg
Chain pitch	3/8"
Chain gauge	0.050"
Oil tank volume	380 ml
Side-cover	Magnesium
Air-Filter	Yes, exchangeable
Weight (without/with cutting equipment)	4.89 / 6.61 kg

**4.5 kW****30 m/s****5.2 Nm****IPX5**

Water resistance

 Equivalent to 70 cc

 Runtime up to 46 cuts\*

 £719 savings in TCO
**CS36**

ERP: 2001986 | EAN: 6936854102031

The CS36 is a lightweight yet powerful battery chainsaw for professional use, offering exceptional power and torque to make cutting jobs easy. Premium components include magnesium housing for additional durability and optimised cooling, while the 3.6 kW motor delivers high chainspeed of 30 m/s to rival and exceed that of a 60 cc petrol equivalent.

- 3.6 kW motor rivals the performance of a 60 cc petrol equivalent
- Includes professional 51 cm Oregon bar and chain (optional 61 cm and 71 cm bars available)
- Instant torque delivery for maximum productivity
- Easy access air filter for fast maintenance
- Slimline design for perfect balance and optimum manoeuvrability
- Large metal spikes for extra grip
- Status display with real-time oil level monitoring

**SPECIFICATIONS**

Blade length included (optional)	45.72cm - 50.8cm
Power-to-weight ratio	0.43 kW/kg
Chain pitch	3/8"
Chain gauge	0.050"
Oil tank volume	320 ml
Side-cover	Magnesium
Air-Filter	Yes, exchangeable
Weight (without/with cutting equipment)	4.3 / 5.24 kg

**3.6 kW****30 m/s****4.0 Nm****IPX5**

Water resistance

 Equivalent to 60 cc

 Runtime up to 71 cuts\*

 £1,158 savings in TCO

\* Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1x CORE530 battery. See more on page 104.

**BB42**

ERP: BB42A1 | EAN: 6936854146882

The new BB42 is one of the most powerful backpack blowers on the market for professional use, featuring a durable and ergonomic backpack design for comfort and convenience while working in large open spaces such as car parks, sports grounds, and urban areas. Producing power equivalent to 80 cc petrol performance, the BB42 features a wider diameter blower tube for a 282 km/h airspeed and a higher maximum air volume of 1,630 m<sup>3</sup>/h with 42 N of force.

- + Extremely high air volume of 1,630 m<sup>3</sup>/h thanks to the larger diameter blower tube allowing maximum productivity over large areas
- + 282 km/h airspeed with an impressive 42 N of force to move even heavy or wet debris
- + Dual battery slots for extended runtimes across larger areas.
- + Integrated LCD display indicates battery usage, light setting and speed level
- + Magnesium fan delivers the highest performance while keeping noise to a minimum thanks to additional sound dampening materials.

**NEW!****SPECIFICATIONS**

Max. air volume	1.630 m <sup>3</sup> /h
Max. power	3 kW
Fan type	Aluminium
Boost button	Yes
Cruise control	Yes
LED-Lights	Front, back warning light
Noise level (15 m distance)	71.51 dB(A)*
Weight (baretool)	7.3 kg

**78.4** m/s

Max. air speed

**42** N

Max. blow force

**DUAL**

Battery slots

**IPX5**

Water resistance

Equivalent to 80 cc performance

Runtime up to 58 mins\*\*

£6,730 savings in TCO

**BB36**

ERP: 2401286 | EAN: 6952909096087

The BB36 features an ergonomic backpack design for comfort and convenience while working on larger jobs such as car parks, sports grounds, and urban areas. Producing power equivalent to 65 cc petrol performance, with up to 360 km/h airspeed and 36 N of force.

- + Extremely high air volume of 1,274 m<sup>3</sup>/h allows fast clearing of areas like parking lots, sports fields and public areas
- + High airspeed up to 360 km/h and 36 N of force to move even heavy or wet debris
- + Dual battery slots for extended runtimes across larger areas.
- + Integrated LCD display indicates battery usage, light setting and speed level
- + Magnesium fan delivers the highest performance while keeping noise to a minimum

**SPECIFICATIONS**

Max. air volume	1.274 m <sup>3</sup> /h
Max. power	3 kW
Fan type	Magnesium
Boost button	Yes
Cruise control	Yes
LED-Lights	Front, back warning light
Noise level	65 dB(A)*
Weight (baretool)	6.75 kg

**100.6** m/s

Max. air speed

**36** N

Max. blow force

**DUAL**

Battery slots

**IPX5**

Water resistance

Equivalent to 65 cc performance

Runtime up to 62 mins\*\*

£4,038 savings in TCO

\*From a distance of 15 m \*\*Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 2 x CORE530 battery. See more on page 104.

**B26**

ERP: B26A1 | EAN: 6936854146547

NEW!



The B26 is a powerful battery handheld blower for professional use, featuring a redesigned handle angle for comfort and a new fan design for more airflow and less noise while working in gardens, car parks, sports grounds, and urban areas.

Producing power equivalent to 27 cc petrol performance, with up to 160 km/h airspeed and 26 N of force.

**SPECIFICATIONS**

Max. air volume	1.300m <sup>3</sup> /h
Max. power	1.6 kW
Fan type	Metal
Boost button	Yes
Cruise control	Yes
LED-Lights	Yes
Noise level (15 m distance)	65 dB(A)*
Weight (baretool)	2.5 kg

**44.72** m/s**26** N**SINGLE****IPX5**

Max. air speed

Max. blow force

Battery slot

Water resistance

- Class leading air volume of 1,300 m<sup>3</sup>/h allows fast clearing of gardens, car parks, sports fields and public areas
- High airspeed up to 160 km/h and 26 N of force to move even heavy or wet debris
- Cutout battery compartment for lower weight and temperature management
- Integrated LCD display indicates battery usage and speed level
- New magnesium fan delivers the highest performance while keeping noise to a minimum

 Equivalent to **27 cc** performance

 Runtime up to **35 mins**\*\*

 £999 savings in TCO

\*From a distance of 15 m \*\*Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1 x CORE530 battery. See more on page 104.

## PC350

ERP: 2001586 | EAN: 6952909090115

The PC350 is an ultra-high-performance battery power cutter to rival a 70 cc petrol equivalent, featuring an exceptional 4.3 kW brushless motor with 12.8 Nm of torque to tackle the most demanding cutting jobs with ease. The 350 mm heavy duty blade has a cutting depth of 125 mm and a high blade speed of 93 m/s, for fast clean cutting of anything from paving tasks to tough slab or steel line cuts in demanding construction applications.

- + 4.3 kW High performance with 12.8 Nm torque - built for heavy work
- + High blade speed of 93 m/s for a fast, clean cut
- + Durable gearbox transmission enables very high load
- + This tool requires the use of Cramer CORE batteries to achieve maximum performance output

### SPECIFICATIONS

Blade diameter	350 mm
Max. cutting depth	125 mm
Blade guard	Adjustable, 5-steps
Variable trigger	Yes
Water connection	Yes
LED-Light	Yes, 400 lumens
Weight (baretool)	7.35 kg

**4.3 kW**

Max. power

**12.8 Nm**

High torque

**93 m/s**

Blade speed

**IPX4**

Water resistance



Equivalent to 70 cc performance

Runtime up to 134 cuts\*

£1,336 savings in TCO

## Optimus Power Cutter Features



### Outstanding cutting performance

350 mm blade diameter with a cutting depth of up to 125 mm and a blade speed of 93 m/s for the fastest cutting performance.



### Powerful

Exceptional 4.3 kW motor rivals and exceeds the performance of a 70cc petrol equivalent for unrivalled performance without emissions.



### Integrated lights

Twin LEDs provide 400 lumens to ensure a clear view when working in low light areas.



### Adjustable blade guard

Rotatable blade guard with five different positions to suit different cutting requirements.

\* Stated time is an "up to" measurement and is measured under load during safe and controlled ways of working with 1 x CORE530 battery. See more on page 104.

**PC300**

ERP: 2000686 | EAN: 6952909061139

- + 2.5 kW Performance with 4 Nm torque - Ideal for general work
- + High blade speed of 82 m/s for a fast, clean cut
- + Durable gearbox transmission enables very high load

**Water tank**

The Cramer A82PCWT-WR gives operators the freedom to work in areas without mains supply water, instead simply attach the 12 L water tank and continue wet cutting in any situation. The Water tank fits to both Power Cutter models 82PC300 and 82PC350.

**SPECIFICATIONS**

Blade diameter	300 mm
Max. cutting depth	110 mm
Blade guard	Adjustable, 5-steps
Variable trigger	Yes
Water connection	Yes
LED-Light	Yes, 400 lumens
Weight (baretool)	5.7 kg

**2.5** kw**4** Nm**82** m/s**IPX5**

Max. power

High torque

Blade speed

Water resistance

Equivalent to **45 cc** performance

Runtime up to **140 cuts\***

£**1,405** savings in TCO



# Specification



## Trimmer/ Brush Cutter Feature

	<b>TB13H</b>	<b>TB20H</b>	<b>TB20L</b>	<b>T13</b>	<b>T16</b>	<b>T20</b>
<b>ERP</b>	TB13HA1	2103186	2103286	T13A1	2102986	T20A1
<b>EAN</b>	6936854145601	6936854102048	6936854102062	6936854144147	6936854102024	6936854146066
<b>Max. power</b>	1.45 kW	2.0 kW	2.0 kW	1.45 kW	1.6 kW	2 kW
<b>Equivalent</b>	30 cc	45 cc	45 cc	30 cc	36 cc	45 cc check
<b>Max. runtime</b>	173 mins.	137 mins.	137 mins.	173 mins.	149 mins.	151 mins.
<b>Cutting width*</b>	43 cm	45 cm	45 cm	43 cm	43 cm	43 cm
<b>Motor</b>	Top mount	Top mount	Top mount	Top mount	Top mount	Top mount
<b>Handle type</b>	Bike-handle, high tower	Bike-handle, high tower	Bike-handle, low tower	Loop handle	Loop handle	Loop handle
<b>Cutting equipment (included)</b>	Line, blade	Line, blade, saw	Line, blade, saw	Line, blade	Line, blade	Line, blade
<b>Max. line speed</b>	5,500 RPM	5,500 RPM	5,500 RPM	5,500 RPM	5,500 RPM	5,500 RPM
<b>Max. tri-blade speed</b>	5,500 RPM	5,500 RPM	5,500 RPM	5,500 RPM	5,500 RPM	5,500 RPM
<b>Max. Saw blade speed</b>	–	8,000 RPM	8,000 RPM	–	–	–
<b>Line Trimmer head</b>	QuikLoad 400	Rapid reload	Rapid reload	QuikLoad 400	Rapid reload	QuikLoad 400
<b>Speed levels</b>	3-speed, reverse	3-speed, reverse	3-speed, reverse	3-speed, reverse	3-speed, reverse	3-speed, reverse
<b>Included harness</b>	Double shoulder harness	Brush Cutter harness	Brush Cutter harness	Basic single strap harness	Basic single strap harness	Basic single strap harness
<b>Line capacity</b>	7.3 m	10 m	10 m	7.3 m	10 m	7.3 m
<b>Shaft diameter</b>	2.54 cm	2.8 cm	2.8 cm	2.54 cm	2.54 cm	2.54 cm
<b>Water resistance</b>	IPX5	IPX5	IPX5	IPX5	IPX5	IPX5
<b>Weight (Baretool)</b>	5.5 kg	6.7 kg	6.35 kg	4.4 kg	5.2 kg	5.5 kg

\* with trimmer line

# Accessories

## Trimmer/Brush Cutter Accessory

	<b>TB13H</b>	<b>TB20H</b>	<b>TB20L</b>	<b>T13</b>	<b>T16</b>	<b>T20</b>
Trimmer line 2.4 mm 50 m	2920486	2920486	2920486	2920486	2920486	2920486
Trimmer spool 2.4 mm (incl. 8 m trimmer line)	2920586	2920586	2920586	2920586	2920586	2920586
Trimmer spool cover	2920686	2920686	2920686	2920686	2920686	2920686
Trimmer head 2.4 mm (incl. spool, trimmer line and cover)	–	2913686	2913686	–	–	–
Trimmer head 2.4 mm (incl. spool, trimmer line and cover)	2913786			2913786	2913786	2913786
Brush cutter tri-blade only	2920786	2920786	2920786	2920786	2920786	2920786
Brush cutter clearing saw-blade only	–	2910186	2910186	–	–	–
Trimmer Line 2,7 mm 250 m	T27L250A1	–	–	T27L250A1	T27L250A1	T27L250A1
Trimmer Head QuikLoad 400 (incl. Spool, Trimmer Line 2.7 mm, and Cover)	T27H400A1	–	–	T27H400A1	T27H400A1	T27H400A1
Trimmer Spool QuikLoad 400 (incl. Trimmer Line 2.7 mm, 7.3 m)	T27S400A1	–	–	T27S400A1	T27S400A1	T27S400A1
Trimmer Spool Cover QuikLoad 400	TC400A1	–	–	TC400A1	TC400A1	TC400A1


**Hedge Trimmer/  
Pole Hedge Trimmer**
**Feature**

	<b>HT61</b>	<b>HT71</b>	<b>PH22</b>	<b>PHT32</b>
<b>ERP</b>	2200886	2200986	2301586	2301386
<b>EAN</b>	6952909090252	6936854137590	6936854137743	6936854102154
<b>Equivalent</b>	27 cc	27 cc	27 cc	27 cc
<b>Max. runtime</b>	563 mins.	563 mins.	493 mins.	493 mins.
<b>Cutting length</b>	61 cm	71 cm	51 cm	51 cm
<b>Blade gap</b>	30 mm	30 mm	30 mm	30 mm
<b>Cutting capacity</b>	20 mm	20 mm	20 mm	20 mm
<b>Max. cutting speed</b>	5,000 SPM	5,000 SPM	4,500 SPM	4,500 SPM
<b>Speed levels</b>	2 speeds	2 speeds	2 speeds	2 speeds
<b>Anti-jam</b>	Yes	Yes	Yes	Yes
<b>Blade tip protection</b>	Yes	Yes	Yes	Yes
<b>Gearbox</b>	Magnesium	Magnesium	Magnesium	Magnesium
<b>Adjustable handle (left/right)</b>	45°/90°	45°/90°	–	–
<b>Shaft type</b>	–	–	Fixed, aluminium	Telescopic, carbon fibre
<b>Shaft length</b>	–	–	2.2 m	2.5 - 3.2 m
<b>Articulating cutting angle</b>	–	–	135°, 7 positions	135°, 7 positions
<b>Water resistance</b>	IPX5	IPX5	IPX5	IPX5
<b>Weight (Baretool)</b>	3.5 kg	3.8 kg	4.2 kg	5.4 kg

**Hedge Trimmer/  
Pole Hedge Trimmer**
**Accessory**

	<b>HT61</b>	<b>HT71</b>	<b>PH22</b>	<b>PHT32</b>
<b>Hedge trimmer / Pole hedger blade 51 cm</b>	2920986	2920986	2920986	2920986
<b>Hedge trimmer / Pole hedger blade 61 cm</b>	2917386	2917386	2917386	2917386
<b>Hedge trimmer / Pole hedger blade 71 cm</b>	2920186	2920186	2920186	2920186
<b>Hedge trimmer / Pole hedger blade transport protection 51 cm</b>	–	–	2921086	2921086
<b>Hedge trimmer / Pole hedger blade transport protection 61 cm</b>	2921186	–	–	–
<b>Hedge trimmer / Pole hedger blade transport protection 71 cm</b>	–	2921286	–	–
<b>Hedge trimmer / Pole hedger blade tip protection</b>	2921386	2921386	2921386	2921386

# Specification



Chainsaw/Polesaw Feature	CS30	CS36	CS45	PST39
ERP	CS30A1	2001986	2001786	1401186
EAN	6936854146059	6936854102031	6952909094168	6936854102147
Max. power	3.0 kW	3.6 kW	4.5 kW	1.0 kW
Equivalent	50 cc	60 cc	70 cc	36 cc
Max. runtime	93 cuts	71 cuts	46 cuts	120 cuts
Max. torque	3.0 Nm	4.0 Nm	5.2 Nm	1.2 Nm
Max. chain speed	26 m/s	30 m/s	30 m/s	25 m/s
Blade length included (optional)	46 cm (41 - 51 cm)	45.72cm - 50.8cm	45.72cm - 50.8cm	25.4 cm
Power-to-weight ratio	0.78 kW/kg	0.43 kW/kg	0.43 kW/kg	0.215 kW/kg
Chain pitch	0.325"	3/8"	3/8"	1/4"
Chain gauge	0.050"	0.050"	0.050"	0.05"
Oil tank volume	250 ml	320 ml	380 ml	150 ml
Side-cover	Magnesium	Magnesium	Magnesium	High performance plastic
Air-filter	Yes, exchangeable	Yes, exchangeable	Yes, exchangeable	No
Shaft type	No	No	No	Telescopic, carbon fibre
Shaft length	No	No	No	2.5 - 3.9 m
Water resistance	IPX5	IPX5	IPX5	IPX5
Weight (without/with cutting equipment)	3.9 / 4.65 kg	4.3 / 5.24 kg	4.89 / 6.61 kg	4.19 / 4.64 kg

# Accessories

Chainsaw/Polesaw Accessory	CS30	CS36	CS45	PST39
Polesaw chain 25 cm	—	—	—	2906786
Chainsaw chain 46 cm Oregon	—	2921486	—	—
Chainsaw chain 51 cm Oregon	—	2921586	2921586	—
Chainsaw chain 61 cm Oregon	—	—	2921686	—
Chainsaw chain 71 cm Oregon	—	—	2921786	—
Polesaw bar 25 cm	—	—	—	2919786
Chainsaw bar 46 cm Oregon	—	2921986	—	—
Chainsaw bar 51 cm Oregon	—	2922086	2922186	—
Chainsaw bar 61 cm Oregon	—	—	2922286	—
Chainsaw bar 71 cm Oregon	—	—	2922386	—
Chainsaw chain 41 cm Oregon	C41CHNA1	—	—	—
Chainsaw chain 46 cm Oregon	C46CHNA1	—	—	—
Chainsaw chain 51 cm Oregon	C51CHNA1	—	—	—
Chainsaw bar 41 cm Oregon	C41BARA1	—	—	—
Chainsaw bar 46 cm Oregon	C46BARA1	—	—	—
Chainsaw bar 51 cm Oregon	C51BARA1	—	—	—
Chainsaw scabbard 41cm	C41SA1	—	—	—
Chainsaw scabbard 46 cm	C46SA1	—	—	—
Chainsaw scabbard 51 cm	—	C51SA1	C51SA1	—



## Power Cutter

Feature	PC300	PC350
ERP	2001586	2000686
EAN	695290909015	6952909061139
Max. power	2,5 kW	4,3 kW
Equivalent	45 cc	70 cc
Torque	4 Nm	12,8 Nm
Blade diameter	300 mm	350 mm
Max. cutting depth	110 mm	125 mm
Max. runtime	140 cuts	134 cuts
Blade speed	82 m/s	93 m/s
Blade guard	Adjustable, 5-steps	Adjustable, 5-steps
Variable trigger	Yes	Yes
Water connection	Yes	Yes
LED-Light	Yes, 400 lumens	Yes, 400 lumens
Weight (baretool)	5.7 kg	7.35 kg
Water resistance	IPX4	IPX5

## Blower Feature

Feature	B26	BB36	BB42
ERP	B26A1	2401286	BB42A1
EAN	6936854146547	6952909096087	6936854146882
Equivalent	27 cc	65 cc	80 cc
Max. power	1.6 kW	3 kW	3 kW
Max. air volume	1.300 m³/h	1.274 m³/h	1.630 m³/h
Max. air speed	44,72 m/s	100,6 m/s	78,4 m/s
Max. Blow Force	26 N	36 N	42 N
Max. runtime	35 mins.	62 mins.	58 mins.
Battery slots	One	Two	Two
Fan type	Metal	Magnesium	Aluminium
Boost button	Yes	Yes	Yes
Cruise control	Yes	Yes	Yes
LED-Lights	Yes	Front, back warning light	Front, back warning light
Noise level	65 dB(A)*	65 dB(A)*	71.51 dB(A)*
Weight (baretool)	2.5 kg	6.75 kg	7.3 kg
Water resistance	IPX5	IPX5	IPX5

\* from a distance of 15m

## Power Cutter Accessory

Accessory	PC300	PC350
Blade for steel cuts	2910386	2917586
Blade for wet cuts	2910286	—
Blade for dry cuts	2910486	2917686
Water tank 12 L	2911386	2911386
Power cutter cart	2915886	2915886

OPTIMUS™

# CORE batteries and chargers

Setting the standard in battery technology



82V

OPTIMUS™

CORE BATTERY AND  
CHARGER RANGE OVERVIEW

## Higher power

The new range of CORE batteries are designed to deliver a higher discharge power than traditional batteries. The benefit of this is more instant power to increase machine performance and productivity.

## Lower weight

Cramer CORE batteries utilise innovative cell technology, making them lighter than traditional batteries. This reduces the overall operating weight of the Cramer handheld range and limits operator fatigue while working.

## Faster charging

The new CORE battery cells can be charged significantly faster than traditional cells, reaching 80% charge in as little as 14 minutes. This means CORE batteries can be fully charged faster than operators can use them, for all day work without interruption.

## Longer life

The technology behind these new batteries allow for many more charging cycles compared to traditional batteries, meaning a longer battery life and better return on investment.

CORE200



CORE300



CORE400



CORE530



CHD1300



OPTIMUS™

# CORE 82V batteries

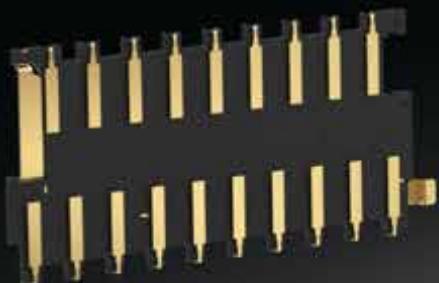
Cramer is introducing the new Optimus CORE battery range. These innovative batteries represent a huge leap in battery technology, utilising pouch cell technology with a new polymer type battery cell that provides a higher density than traditional cylindrical cells found in the standard Cramer 82V batteries. This higher density has a higher power output in a lower weight construction, giving CORE the best power to weight ratio in the industry.

The CORE battery polymer cell delivers more watt hours, generating longer runtime per cell than traditional cylindrical batteries. Despite the increase in power output and longer runtime there is also much less heat created, producing a more efficient power discharge cycle.

All CORE batteries are compatible with existing Cramer 82V tools. However, to unleash the full potential of the Optimus product range the CORE battery should be used, giving more power, higher productivity, lower weight, and a longer life.

## Cell Connection Interface

Thanks to the latest polymer cell technology, cells can be packaged in a more compact way, the slimline cell connection interface reduces both battery size and weight.



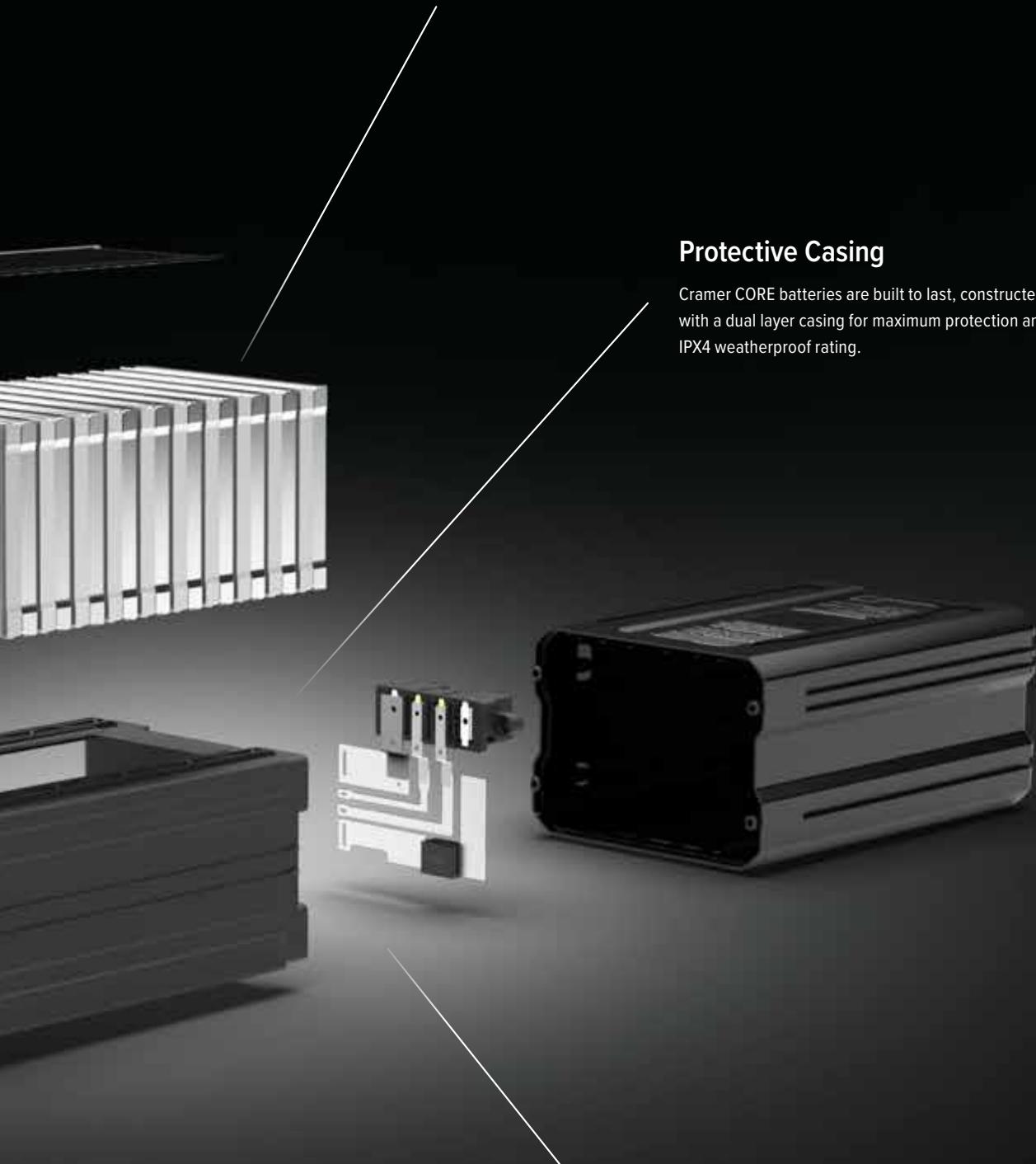
## Status and Connectivity

All CORE batteries feature a display with battery level indicator, as well as Bluetooth connectivity to the Cramer Connect App.



## Polymer Cell Assembly

By using innovative polymer cell technology, the overall size and weight of the battery is minimized, while the power output is significantly higher than traditional batteries.



## Protective Casing

Cramer CORE batteries are built to last, constructed with a dual layer casing for maximum protection and IPX4 weatherproof rating.

## Durable Terminal Assembly

The terminal assembly is built to withstand the demands of professional use day after day. As well as being designed for simple mounting and removal from the Optimus range, all components are designed for maximum durability.

OPTIMUS™

# CORE 82V battery benefits

The CORE 82V Battery delivers a huge leap in battery technology and innovation, offering a professional solution to not only rival petrol, but to exceed it in every way.

CORE is the next generation of battery, designed for professionals who demand performance, efficiency, and reliability. Built around advanced pouch cell technology the CORE series delivers low cost, ultra high-output power across all compatible Cramer tools, maximizing productivity while minimizing downtime.

Used in conjunction with Optimus Charging Solutions, batteries can be charged for use in as little as 14 minutes, giving professionals all day power without compromise.



# World's most productive battery solution for landscapers



## BEST POWER-TO-WEIGHT

CORE batteries offer best in class power-to-weight ratio, delivering more power and runtime in a smaller size, and allowing professionals to work for longer than ever.



## MOST POWERFUL BATTERY YET

The power output is the equivalent of a 9.6 HP engine, significantly exceeding the performance of petrol lawnmowers and handheld tools.



## 50% FASTER CHARGING

The pouch cell technology offers 50% faster charging in as little as 14 minutes (80% charge), meaning professionals have all the power they need for the day.



## 2X LONGER LIFE

CORE batteries offer double the life of traditional batteries with up to 2,000 cycles, which translates to many additional years of use and a significantly better return on investment.



## STAY COOL

When compared to lower voltage platforms the CORE 82V delivers maximum power at a lower working temperature. This allows for instant charging, longer runtime and a longer life.



## ALL SEASON USE

Professionals need to work in all seasons, CORE batteries operate in temperatures from as low as -20°C up to 50°C for all year round use.



## WEATHER RESISTANT

All CORE batteries feature IPX4 rating, ensuring they perform whatever the weather.

## CORE200

ERP: CORE200A1 | EAN: 6936854148305

The Optimus CORE200 provides 210 Wh while weighing just 1.5 kg.

It is a 2.8 Ah battery and is best suited to handheld machines such as hedge trimmers and pole saws where minimum weight is critical.

**NEW!**



### SPECIFICATIONS

High power discharge	Rated: 2.5 kW, Max 3.7 kW
Longevity	2000 cycles
Fast charging	12 min to 80%, 24 min to 100%
Water resistance	IPX4
Charge temp range	-10°C – 45°C
Discharge temp range	-20°C – 50°C
Energy-to-weight ratio	137 Wh/kg
Weight	1.5 kg

**210 Wh / 2.8 Ah**

Capacity

**3.7 kW**

Maximum power

## CORE300

ERP: 2917886 | EAN: 6936854102499

The Optimus CORE300 provides 295 Wh weighing a total of 1.75 kgs.

It is a 4 Ah battery and is best suited to power hedge trimmers and other pole tools.



### SPECIFICATIONS

High power discharge	Rated: 3.5 kW, Max 5.0 kW
Longevity	2000 cycles
Fast charging	14 min to 80%, 27 min to 100%
Water resistance	IPX4
Charge temp range	-10°C – 45°C
Discharge temp range	-20°C – 50°C
Energy-to-weight ratio	169 Wh/kg
Weight	1.75 kg

**295 Wh / 4 Ah**

Capacity

**5.0 kW**

Maximum power

## CORE400

ERP: 2919286 | EAN: 6936854136319

The CORE400 battery weighs only 2.2 kgs but offers 405 Wh making it ideal for time consuming applications requiring longer runtime.



### SPECIFICATIONS

High power discharge	Rated: 4.5 kW, Max 6.0 kW
Longevity	2000 cycles
Fast charging	14 min to 80%, 28 min to 100%
Water resistance	IPX4
Charge temp range	-10°C – 45°C
Discharge temp range	-20°C – 50°C
Energy-to-weight ratio	184 Wh/kg
Weight	2.2 kg

**405 Wh / 5.5 Ah**

Capacity

**6.0 kW**

Maximum power

## CORE530

ERP: 2919386 | EAN: 6936854136326

The Cramer CORE530 is our most powerful battery delivering 531 Wh of energy on a full charge.

It offers the most energy per weight by any brand, weighing only 2.7 kgs.

This battery will improve productivity in the Optimus chainsaws and power cutters and extends lightweight operation for the entire portfolio.



### SPECIFICATIONS

High power discharge	Rated: 6.0 kW, Max 7.5 kW
Longevity	2000 cycles
Fast charging	16 min to 80%, 32 min to 100%
Water resistance	IPX4
Charge temp range	-10°C – 45°C
Discharge temp range	-20°C – 50°C
Energy-to-weight ratio	197 Wh/kg
Weight	2.7 kg

**531 Wh / 7.2 Ah**

Capacity

**7.5 kW**

Maximum power

# CHD1300 Fast Dual-Slot Charger

ERP: 2923686 | EAN: 6936854141764

NEW!

The new Optimus CHD1300 dual slot charger is our most powerful charger for professional use with a 16 A current and 1280 W max power output. This technology allows charging of CORE batteries up to 80% in as little as 18 minutes to ensure unlimited energy throughout the day.

- High output power for fast charging in as little as 18 minutes
- Dual-slot charging for maximum productivity
- LED indicator for easy visibility of charge level
- Exchangeable air filter for optimized serviceability
- Optimised cooling system for fast efficient charging
- Wall-mounting brackets

## SPECIFICATIONS

Max. output power	1,280 W
Max. output current	16A
Max. input power	1,440 W
Max. input current	12A
Voltage	82V
Charging time (1x battery up to 80%)	from 18 min
Cooling system	Yes
Charging indication	LED-lights
Air filter	Yes, exchangeable
Storage	Wall-mount, standing
Weight	2.25 kg

1,280 W

Maximum output power

16 A

Maximum output current

DUAL

Battery Compartments



## Additional Chargers

See pages 138 - 139 for single, dual and 6-slot charger information.

# Run and charging times

RUNTIMES												Recommended batteries				
Battery	CORE200			CORE300			CORE400			CORE530						
Trimmers & Brush Cutters (minutes)																
		Trimmer Line	Tri-Blade	Saw Blade		Trimmer Line	Tri-Blade	Saw Blade		Trimmer Line	Tri-Blade	Saw Blade		Trimmer Line	Tri-Blade	Saw Blade
		Light Use	Tough Use	Light Use	Tough Use	Light Use	Tough Use	Light Use	Tough Use	Light Use	Tough Use	Light Use	Tough Use	Light Use	Tough Use	Light Use
T13	29	16	68	32	—	—	40	22	96	45	—	55	30	132	62	—
T16	27	17	59	30	—	—	37	24	81	42	—	53	34	116	58	—
T20	27	17	59	30	—	—	37	24	81	42	—	53	34	116	58	—
TB13H	29	16	68	32	—	—	40	22	96	45	—	55	30	132	62	—
TB20H	23	14	57	29	36	30	32	19	79	40	49	42	50	28	106	55
TB20L	23	14	57	29	36	30	32	19	79	40	49	42	50	28	106	55
All Terrain Mowers (Area mown m²)																
		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use	
ATM76SC (with 3 batteries)	1,400		850		2,000		1,200			2,700		1,500		3,600		2,000
ATM76S (with 3 batteries)	1,400		850		2,000		1,200			2,700		1,500		3,600		2,000
ATM53A (with 2 batteries)	1,000		550		1,400		800			1,900		1,000		2,500		1,400
LM530CS (with 2 batteries)	750		450		1,100		650			1,300		800		2,000		1,300
Hedge Trimmers, Long Reach Hedge Trimmers, (minutes)																
		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use	
HT61	304		150		304		150			286		143		563		268
HT71	304		150		304		150			286		143		563		268
PH22	234		116		234		116			493		251		302		151
PHT32	234		116		234		116			493		251		302		151
Blowers (minutes)																
		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use	
BB36 (2 batteries)	25		11		35		15			45		19		62		29
BB42 (2 batteries)	21		9		31		13			41		16		58		25
B26	18		9		21		12			27		18		35		25
Chainsaw, Pole Saws, and Power Cutters (cuts per charge)																
		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use		Light Use	Tough Use	
CS30	36		30		52		47			71		59		93		77
CS36	28		20		39		28			52		41		71		58
CS45	26		14		26		19			37		28		46		37
PST39	50		30		68		39			88		51		120		65
PC300	55		21		80		30			110		40		140		50
PC350	53		20		74		28			102		39		134		52

## CHARGING TIMES (MINUTES)



CHD1300 (16A)								
	CORE200 2.8 Ah		CORE300 4 Ah		CORE400 5.5 Ah		CORE530 7.2 Ah	
	80%	100%	80%	100%	80%	100%	80%	100%
x1 Battery	16	31	18	34	22	42	25	48
x2 Batteries	23	38	25	42	40.5	59	45.5	69

Included in 82V range, but can be also used:



82C1G (4A)								
	CORE200 2.8 Ah		CORE300 4 Ah		CORE400 5.5 Ah		CORE530 7.2 Ah	
	80%	100%	80%	100%	80%	100%	80%	100%
x1 Battery	35	55	48	75	66	97	86	123



82C2 (4A)								
	CORE200 2.8 Ah		CORE300 4 Ah		CORE400 5.5 Ah		CORE530 7.2 Ah	
	80%	100%	80%	100%	80%	100%	80%	100%
x1 Battery	23	38	24	50	33	61	43	74
x2 Batteries	35	55	48	80	66	102	86	128



82C6 (6x 4A)								
	CORE200 2.8 Ah		CORE300 4 Ah		CORE400 5.5 Ah		CORE530 7.2 Ah	
	80%	100%	80%	100%	80%	100%	80%	100%
x1 Battery	23	38	24	50	33	61	43	74
x2 Batteries	23	38	24	50	33	61	43	74
x3 Batteries	23	38	24	50	33	61	43	74
x4 Batteries	2x 23	2x 38	2x 24	2x 50	2x 33	2x 61	2x 43	2x 74
	2x 35	2x 55	2x 48	2x 80	2x 66	2x 102	2x 86	2x 128
x5 Batteries	2x 23	2x 38	2x 24	2x 50	2x 33	2x 61	2x 43	2x 74
	2x 35	2x 55	2x 48	2x 80	2x 66	2x 102	2x 86	2x 128
x6 Batteries	35	55	44	75	66	95	84	125

Unlike our competitors, we measured full cutting time for our products, which means the products are running under a scenario of full gas all the time without any stops or breaks. All stated times are "up to" measures and are measured under load during safe and controlled ways of working.

This means no stressing of the products to extreme limits. "Light conditions" means that the product is running at 60-80% capacity. "Hard working conditions" means the product is running at 80-100% capacity.

The status of cutting equipment and way of working with the product will affect the runtime dramatically. Therefore, it is important to always keep your blade sharp.

OPTIMUS™

# Charging Solutions

Professional power for the whole day



82V

OPTIMUS™

CHARGING SOLUTIONS  
RANGE OVERVIEW

ChargeLink™ in Shop Charger



Energy Cube 10 kWh



Power Distribution Module



# Charge during the night... ...unleash power during the day

Optimus charging solutions were designed without limits, allowing professionals to charge their equipment over night in the fastest most convenient way possible.

Whether equipment is stored in a workshop, vehicle or trailer, there is a charging solution to take care of it.

Thanks to the transportable Chargelink™ Caddy, operators can safely take batteries to the worksite for use throughout the day.

If recharging is required throughout the day, operators can utilise the mobile charging solutions of the Energy Cube.



## Energy Cube Solution



For larger operations using vehicles and trailers, the Energy Cube offers all the power needed to keep teams charged throughout the day. An example would be a trailer fitted with an Energy Cube which can charge zero turn mowers and batteries throughout the day, or when driving between locations. At the end of the day simply plug the charging cable into the trailer to charge all tools and the Energy Cube ready for the next day.



Trailer  
Solution



Active  
Cooling



x4 Output  
Ports

## ChargeLink™ Solution

The innovative Chargelink™ Wall Charger allows unlimited charging capabilities and is fully scalable to suit any size operation. The intelligent system uses a single 230V socket, pulling only the power required as it charges batteries stored in Caddys in sequence throughout the night. To give an example of scalability, the Chargelink™ system can fully charge 72 4Ah batteries over 12 hours through the night, ensuring teams have all the energy they need for the day ahead.



## Power Distribution Module Solution



Featuring 4 ports, the PDM simply plugs into a standard 230V socket and allows up to 4 chargers to be connected, managing where the power needs to be delivered in order to not overload the system. For added versatility, the Power Distribution Module can charge any brand and any voltage.



# ChargeLink™ Caddy

## Charging and battery transport made easy

Commercial teams need a way to safely transport batteries, as well as charge them in a fast and efficient way.

The ChargeLink Caddy solves both of these demands by storing and charging up to 6 CORE batteries and allowing safe transportation from the workshop to the jobsite.



Outdoor Solution

Battery Capacity

Stackable



6 Dedicated ports transport and charge 6 handheld batteries



Extendable aluminum handle for ease of transport



Locking lid

Easy to read LED charge indicator



Heavy duty tiedown locations

Heavy duty waterproof power connector

Stackable design

# ChargeLink™

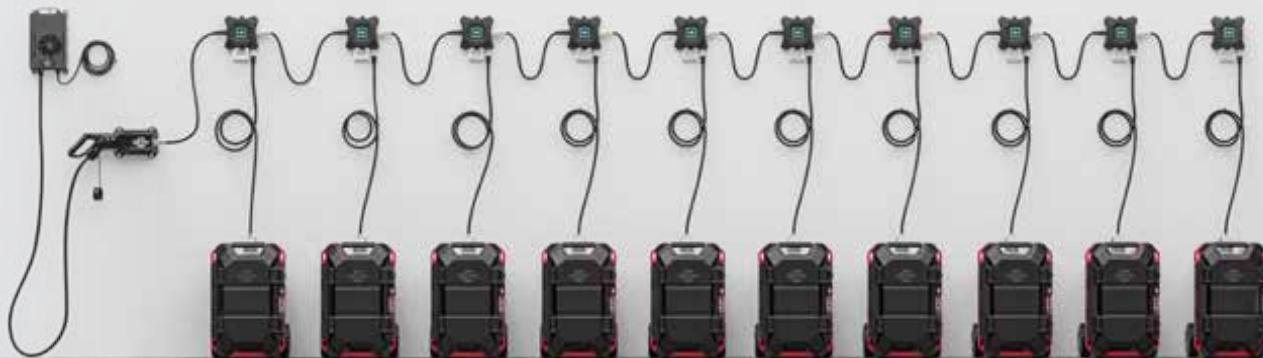
Dedicated charging solution for Optimus Caddies

+ **No more blown circuits** or costly infrastructure updates

+ **Charge up to 72 batteries** overnight from a single outlet

+ **Easily add or remove caddies** without charging disruption

+ **Add more switches and caddies** to your setup to scale your charging as needed



A day in the life:

## ChargeLink™ in action



### 6:00 A.M. Charged and ready

Your crews arrive at the shop to find the ChargeLink system has efficiently charged 72 handheld batteries overnight off of a single circuit. Your employees simply unplug their designated caddies and load them onto their trucks.



### 6:00 P.M. Back to base

At the end of the day, the crews return to the workshop and plug the battery caddies back into the ChargeLink to recharge the depleted batteries inside overnight.

## ChargeLink™ Wall Charger

The Cramer ChargeLink™ Wall Charger offers a unique way of charging up all your handheld batteries over night using just one 230V socket. The system charges the batteries in sequence, not pulling more power than needed and therefore not running the risk of blowing a fuse or turning off a breaker.

The ChargeLink™ Caddy, housing the batteries, can either be stacked one on top of each other, or stood up and placed in a row against a wall allowing a customized set up based on the operators requirements. When plugged into a regular socket, the system which is powered by the 3.3 kW OptimusZ charger, can fully charge up to 72 x 4 Ah batteries in 12 hrs. Even more batteries can be charged if more time is provided.

Each component of the ChargeLink™ system has been uniquely designed to optimize the charging process making it as efficient as possible.

These ChargeLink™ components include:

## Charger 3.3 kW

CV30 | ERP:7500086 | EAN: 6952909098418

The same charger used to charge the OptimusZ can be used to for the ChargeLink™ Wall Charger solution.

Included with each OptimusZ or it can be purchased separately or as part of a ChargeLink™ Combo system.



CV30 (3 kW)	
Built-in batteries	Charge times
ZTCS92 - 8 kWh	3 hours
ZTC122 - 24 kWh	8 hours
ZTC132 - 24 kWh	8 hours
ZTC152 - 24 kWh	8 hours
ZTC182 - 36 kWh	12 hours

## ChargeLink™ Caddy

CLCADDY | ERP: 2918786 | EAN: 6936854135763

The versatile Caddy is mobile with large wheels and an extendable handle, offering an easy solution to both transport and manage your batteries.

Each Caddy stores 6 batteries of any kind from the Cramer 82V portfolio including the new CORE series, and has been designed for compatibility with the Energy Cube 10 kWh and ChargeLink™ ETO Charger.

For maximum productivity a Caddy of 6 CORE 200 batteries can be charged to 80% in as little as 30 minutes when connected to the ChargeLink™ Wall Charger.



### CLCADDY CHARGING TIMES (MINUTES)

	CLCADDY in use with ChargeLink™ (3 kW)							
	CORE200 2.8Ah		CORE300 4Ah		CORE400 5.5Ah		CORE530 7.2Ah	
	80%	100%	80%	100%	80%	100%	80%	100%
x1 Battery	14	26	14	27	14	28	16	32
x2 Batteries	14	31	14	33	16	36	20	40
x3 Batteries	18	37	19	40	25	45	31	57
x4 Batteries	22	42	24	46	32	55	40	66
x5 Batteries	26	47	29	51	38	61	51	79
x6 Batteries	30	52	34	57	47	71	60	90

Number of batteries which can be charged within 12 hrs (independent of the number of caddies)	CLCADDY in use with ChargeLink™			
	CORE200 2.8Ah		CORE300 4Ah	
	78 batteries	72 batteries	60 batteries	48 batteries

## ChargeLink™ Switch

CLSWITCH | ERP: 2918886 | EAN: 6936854135770

The switch connects the Caddy to the charging system. When multiple Caddy's are connected, the switch detects when the Caddy below is fully charged and passes the current to the next switch. The LED lights on the switch lets you know the status of charge for the connected Caddy.



## ChargeLink™ Communicator

CLCOM | ERP: 2918986 | EAN: 6936854135787

The Communicator represents the “brains” of the system and controls the output power to the correct level. The current flows from the charger to the Communicator and on to the switch.

You will only require one Communicator per ChargeLink™ system.



## ChargeLink™ Combo M

CLCOMB2 | ERP: 2918686 | EAN: 6936854135756

This product bundle includes the following system components:

- 1 x 3.3 kW Charger
- 1 x ChargeLink™ Communicator
- 2 x ChargeLink™ Switches
- 2 x ChargeLink™ Caddies

This combo can also be acquired without the charger:

**Model CLCOMB2WC, Item 2919086**



## ChargeLink™ Combo L

CLCOMB3 | ERP: 2918586 | EAN: 6936854135749

This product bundle includes the following system components:

- 1 x 3.3 kW Charger
- 1 x ChargeLink™ Communicator
- 3 x ChargeLink™ Switches
- 3 x ChargeLink™ Caddies



**OPTIMUS™**

# Energy Cube 10 kWh

## Never Run Out of Power

The Optimus Energy Cube is a mobile power station that goes wherever the job is, charging up equipment while on the work site, driving, or while on a lunch break. The Energy Cube gives the security to finish any job anywhere.

## Use The Power of The Sun to Charge

The Energy Cube is equipped with a solar power input plug. This means that solar panels positioned on the roof top of your landscaping trailer or vehicle can be used to charge your landscaping equipment with free energy.



## One Plug to Charge Everything

When installed with the electrical port mounted on the outside wall of the trailer, one single plug allows you to charge up all the batteries on the inside. Simply connect all equipment to the Energy Cube and plug the trailer into the mains, the power connection will first charge up your batteries and OptimusZ mowers before automatically charging up the Energy Cube ready for the next day.

Charge using a standard 240V outlet or any EV Lvl2 charger.

## Reduce Number of Batteries

With an Energy Cube installed in a vehicle or trailer operators do not need to bring as many batteries for the day. Recharge on the go and simplify your overnight charging, transportation and storage of batteries.

\*requires the addition of a ChargeLink™ Wall Charger System

## No Need to Remove Equipment

With the Energy Cube onboard, there is no need to unload equipment from the trailer at night. The Energy Cube allows for recharging all equipment while on the trailer, saving time and space.



## Charge 2 Cubes on One Circuit

The input power specification of the Energy Cube has been configured in such a way that a 240W/50amp circuit can charge two Cubes. This means overnight up to 4 OptimusZ mowers and 36 handheld batteries(\*) can be charged from one single outlet.

## Stay in Control

The Energy Cube includes an integrated 4G module to allow for instant location updates, charging status and capacity. This connectivity ensures operations run smoothly and fleets can be effectively monitored and managed.

## Scale up as Your Business Grows

With a 2 Cube per 240V circuit charging capacity, the Energy Cube provides a scalable solution as a battery landscaper business grows. Cramer can assist in providing solutions for the electrification of a single, or multiple branches.

# Energy Cube 10 kWh

CUBE10H | ERP: CUBE10HA1 | EAN: 6936854146530

NEW!

Trailer  
SolutionActive  
Coolingx2 Output  
Ports

The Energy Cube 10 kWh is a compact mobile power station for professionals, with a large capacity it can keep CORE batteries charged throughout the day at any location. The Energy Cube can be plugged into the mains for overnight charging and connected to roof mounted solar panels for charging throughout the day.

- + 10 kWh battery for continuous energy throughout the day
- + Connects to ChargeLink™ Caddy's
- + Designed for vehicle / trailer mounting – charging tools on the go

## SPECIFICATIONS

Voltage	230V
Charging time handheld battery (1x up to 80%)	From 14 min.
Solar power input	Yes
Water resistance	IPX44, Protection box available soon
Weight	230 kg

**10 kWh**  
Capacity



Connects to ChargeLink™ Caddy's

# Power Distribution Module

PDM4 | ERP: 2919486 | EAN: 6936854137422

With the 4-port Power Distribution Module (PDM) you can fully utilize the power of a 230V outlet to charge multiple devices.

Connect up to 4 chargers at the same time and the PDM will manage where the power needs to be delivered in order to not overload the system.

For added versatility, the Power Distribution Module can charge any brand and any voltage.

It is also fully compatible with the Energy Cube allowing even more handheld batteries to be charged overnight.



Workshop Solution



Stackable



x4 Output Ports



## SPECIFICATIONS

Voltage	230V
Dimensions	Width 38 cm, Depth 18 cm, Height 6.5 cm
Output	(4) NEMA 5-20R sockets
Input	230V 50/60hz 16A
Weight	1.13 kg

## Stackable modules

- + Expandable system to add more outlets to a single module
- + Outlet memory restores outlet state in event of a power outage
- + Displays total current draw

## Accessories

### Power Distribution Module Accessory

Bracket Base-Kit for PDM wall mounting

Bracket Extension-Kit for stacking two PDM's

### PDM4

PDBASEA1

PDSTACKA1



## Link up to 4 Power Distribution Modules to efficiently power up to 16 CORE chargers.

The Optimus Power Distribution Modules technology will optimize existing electrical infrastructure by distributing power where and when it is needed. Thanks to the stackable modules design, up to 4 PDM's can be connected, allowing up to 16 chargers with 36 CORE batteries to be charged from a single power socket. **No more blown circuits or costly infrastructure updates.**



# The Future of Landscaping is Here...



The Optimus Crew is the first and most comprehensive battery-first professional solution for the entire range of outdoor power equipment needed to keep landscape crews working all day.

The lineup includes best in class equipment across every category: zero turns, walk-behind mowers, brush cutters, grass trimmers, hedge trimmers, chainsaws, blowers, and easy to implement advanced charging solutions.

**NO CORDS.  
NO PETROL.  
NO JOB TOO BIG.**



Whether you are charging on the go with the Optimus Cube or using the portable ChargeLink battery caddies in the field or at the shop, Optimus is always charged and ready to go.

# OPTIMUS CREW™

## ...it's Time to Join the Optimus Crew.

By converting your crew, we guarantee not only higher customer and employee satisfaction but also increased productivity with significant time and cost savings.

Crews are saving on significant amounts fuel and maintenance costs, view page 120-121 for a cost of ownership breakdown.

In addition to time and cost savings, operators prefer using OPTIMUS equipment designed to withstand professional demands and extreme conditions.

They experience better performance than petrol powered tools while enjoying the benefits of battery power: low noise, low vibrations, no toxic fumes, and the convenience of never needing fuel, oil, filters, or spark plugs.

**No hassle. Easy to manage.**

**No costly maintenance.**

**No downtime.**

**Maximum Productivity & Performance**

Optimus crews are safer and more productive, resulting in satisfied customers and peace of mind for you, your crews, and your customers.



OPTIMUS™

# Cost of Ownership Landscaping Kit

**BB42**



**B26**

## BLOWER BATTERY VS PETROL\*

BB42 vs 80cc	OPTIMUS	PETROL	TOTAL 3 YEAR SAVING
4x CORE530 / Optimus Charger CHD1300	£3,588	£10,318	<b>£6,730</b>
<b>B26 vs 27cc</b> 2x CORE400 / Optimus Charger CHD1300	£1,717	£2,712	<b>£999</b>

OPTIMUS

PETROL

TOTAL  
3 YEAR SAVING

**ATM76SC**



**ATM53A**

## LAWN MOWER BATTERY VS PETROL\*

ATM76SC vs 220cc	OPTIMUS	PETROL	TOTAL 3 YEAR SAVING
2x CORE530 / Optimus Charger CHD1300	£3,880	£5,639	<b>£1,759</b>
<b>ATM53A vs 165cc</b> 2x CORE530 / Optimus Charger CHD1300	£3,357	£5,989	<b>£2,632</b>

OPTIMUS

PETROL

TOTAL  
3 YEAR SAVING

**T16**



**TB20H**

## TRIMMER AND BRUSHCUTTER BATTERY VS PETROL\*

T16 vs 38cc	OPTIMUS	PETROL	TOTAL 3 YEAR SAVING
2x CORE300 / Optimus Charger CHD1300	£1,501	£3,206	<b>£1,803</b>
<b>TB20H vs 45cc</b> 2x CORE400 / Optimus Charger CHD1300	£1,932	£5,318	<b>£3,386</b>

OPTIMUS

PETROL

TOTAL  
3 YEAR SAVING

**PHT32**



**HT61**

## HEDGE TRIMMERS BATTERY VS PETROL\*

HT61 vs 22cc	OPTIMUS	PETROL	TOTAL 3 YEAR SAVING
1x CORE200 / Optimus Charger CHD1300	£854	£2,314	<b>£1,460</b>
<b>PHT32 vs 24cc</b> 1x CORE200 / Optimus Charger CHD1300	£1,062	£2,203	<b>£1,141</b>

OPTIMUS

PETROL

TOTAL  
3 YEAR SAVING

\*Energy Costs: Wh cost (EU average 2025) £0.00025 | Alkylate Gasoline cost 1 litre £3.18 | Petrol cost 1 litre £1.39



## LANDSCAPING KIT TCO CALCULATIONS\*\*

Landscaping Kit	Total Savings Battery vs Petrol in 3 years
BB42	£6,730
B26	£999
ATM76SC	£1,759
ATM53A	£2,632
T16	£1,803
TB20H	£3,386
HT61	£1,460
PHT32	£1,141
Total saving in 3 years	£19,910

# OPTIMUS<sup>™</sup>



## SAVINGS VS PETROL AFTER 3 YEARS OF OWNERSHIP

= £19,910



\*\*All calculations based on European average, prices correct at time of print.  
Petrol calculations for blowers, trimmers, and hedge cutters are based on the products using alkylate fuel.

82V



# 82V products

## Class leading power for landscapers or ambitious gardeners

The 82V platform was designed for landscapers and keen gardeners, with class leading performance, exceptional durability, and emissions free operation.

Perfect for landscapers and landowners, the range comprises everything you need to maintain your land from zero turns, tractors, earth augers, utility carts and more.

# 82V Ride-on Mowers



82V

## Wide product range for any garden

We offer a range of different ride-on mowers with zero turn and lawn tractor options to suit the demands of any area up to 15,800m<sup>2</sup>.

## Durable and functional design

All models are constructed from high quality materials with heavy duty steel frames and cutter decks. As well as durability, the range offers comfort and functionality with digital displays, ergonomic controls, and high back comfort seats.

## Multi-function and versatile

All models offer 2 in 1 function for a choice of side discharge or mulching capability. Maximum versatility is possible thanks to integrated tow hitch and ETO (electric take off) feature allowing additional tools to be powered.

## Safety first

Depending on the model, we offer enhanced safety features such as rollover protection frame, auto-stop feature, safety belt and integrated LED lights.

## RIDE-ON MOWERS RANGE OVERVIEW

**Zero Turn**  
**Maximus**  
**82ZT122**



**Zero Turn**  
**82ZT107**



**Lawn Tractor**  
**82LT107**



# 82ZT122 Maximus

ERP: 7401886 | EAN: 6936854139228

The Maximus 82ZT122 is a powerful zero-turn mower that impresses with its construction, robust steel deck, and maximum area coverage of 15,800 m<sup>2</sup>. It offers versatile mowing functions such as mulching and side discharge, as well as extended runtimes thanks to multiple battery compartments. With integrated 4G/GPS connectivity and practical features like a USB port and LED front light, this mower sets new standards in efficiency and convenience.

- + Zero Turn design for maximum manoeuvrability
- + Robust fabricated steel deck
- + 2-in-1: Mulch and side discharge mowing functions
- + Multiple battery compartments to extend runtime with 4x Handheld Batteries and 2x Suitcase Batteries
- + Rear cargo bed with dumping ability to carry additional tools, dirt, etc.
- + Integrated 4G/GPS connectivity to track the mower
- + USB (Type A and C) ports to charge mobile phones etc
- + ETO connector for electrical attachments
- + Wall-mount charger included
- + Mulch-Kit not included, but can be purchased separately as an optional extra.



## SPECIFICATIONS

Cutting deck width	122 cm
Front LED headlight	Yes
Blade speed	4,200 rpm
Drive speeds	Up to 12.9 km/h
Height adjustment	13 levels, 25 – 114 mm
Max. load (cargo bed)	90 kg
Max. towing ability	136 kg
Water resistance	IPX4

<b>3 x 1.5 kW</b>	<b>12</b>	<b>64 Ah / 4,62 kWh</b>	<b>15,800 m<sup>2</sup></b>
Brushless motor	Cutting heights	Max. battery capacity (batteries not included)	Max. area coverage

⌚ Equivalent to 31 hp

⌚ Cutting area up to 15,800 m<sup>2</sup>



## 82CV15 Vehicle Charger 1.5 kW (included)

ERP: 2920286 | EAN: 6936854137965

- + Easy to use: Plug-in and charge the Maximus without taking off the batteries
- + No need to change batteries, all batteries are charged one after the other in one go
- + Wall mount charge: Convenient and very easy to use, keep floor space free and safe
- + Max. charging output power: 1.2 KW
- + Easy to connect with domestic power socket

# Maximus Zero Turn Features



Take on any terrain with the most advanced drive system



The industry's only rear cargo bed with hydraulic assist.  
136 Kg payload.



Perfect visibility in sunlight or darkness.  
Water and dust resistant, user-friendly, LCD display.



Cut at dawn and dusk with bright LED lights.



12.9 km/h drive speed. Work smarter and faster.



All-in-one machine. Mow, haul and tow.



Where power meets robust construction.  
Robust frame and fabricated steel deck.



Smooth and comfortable ride.  
Fully adjustable suspension seat.



Handheld batteries are compatible with all 82V products.

## 82V1150 Suitcase Battery

ERP: 2917986 | EAN: 6936854102734

- Extended runtime: capacity provides long runtime and high efficiency for demanding gardening tasks.
- Class leading power to weight ratio: compact and robust to deliver high power and large capacity
- Portable design: two handles for easy transport and handling
- Simple installation with high current cable (not included)
- Connectable via bluetooth to see most important battery information



### SPECIFICATIONS

1,150 Wh	7.2 kW	IPX4	Voltage	82V
Capacity	Maximum power	Water resistance	Rated capacity	16 Ah
			Weight	7.7 kg



## 82LT107

ERP: 82LT107A1 | EAN: 8935314104682

- + Tractor design with tight turning circle for high manoeuvrability
- + Durable stamped steel deck
- + 2-in-1: Mulch or side-discharge
- + Multiple battery compartments to extend runtime: 6x handheld batteries
- + Integrated 4G/GPS connectivity to track the mower
- + Features integrated tow hitch for versatility
- + Update: added on-board charging plug
- + Baretool only - batteries & chargers not included!



**NEW** Added on-board charging plug

### SPECIFICATIONS

Cutting deck width	107 cm
Blade speed	3,000 rpm
Drive speeds	Forward 12.8 km/h Reverse 4.8 km/h
Height adjustment	38 - 114 mm

**2 x 1.2 kw**

Brushless motor

**7**

Cutting heights

**48 Ah / 3.45 kWh**Max. battery capacity  
(batteries not included)**IPX4**

Water resistance



Equivalent to 500 cc

Cutting area up to 10,500 m<sup>2</sup> \*  
Runtime up to 80 min\*

£3,822 savings in TCO

### 82CV06 Vehicle Charger 600 W (optional)

ERP: 82CV06A1 | EAN: 6936854145540

Plug-in and charge without taking off the batteries

## 82ZT107

ERP: 82ZT107A1 | EAN: 8935314104675

- + Zero Turn design for maximum manoeuvrability
- + Durable stamped steel deck
- + 2-in-1: Mulch or side-discharge
- + Multiple battery compartments to extend runtime: 6x handheld batteries
- + Integrated 4G/GPS connectivity to track the mower
- + Features integrated tow hitch for versatility
- + Update: added on-board charging plug
- + Baretool only - batteries & chargers not included!



**NEW** Added on-board charging plug

### SPECIFICATIONS

Cutting deck width	107 cm
Blade speed	3,000 rpm
Max. drive speed	12.9 km/h
Height adjustment	38 - 114 mm

**2 x 1.2 kw**

Brushless motor

**7**

Cutting heights

**48 Ah / 3.45 kWh**Max. battery capacity  
(batteries not included)**IPX4**

Water resistance



Equivalent to 500 cc

Cutting area up to 10,500 m<sup>2</sup> \*  
Runtime up to 80 min\*

£2,108 savings in TCO

### 82CV06 Vehicle Charger 600 W (optional)

ERP: 82CV06A1 | EAN: 6936854145540

Plug-in and charge without taking off the batteries

# Specification



Product/Feature	82ZT122	82ZT107	82LT107
ERP	7401886	82ZT107A1	82LT107A1
EAN	6936854139228	8935314104675	8935314104682
Motor	Brushless	Brushless	Brushless
Cutting deck	Fabricated, 122 cm	Stamped, 107 cm	Stamped, 107 cm
Cutting motor	3x 1.5 kW	2x 1.2 kW	2x 1.2 kW
Battery capacity	up to 4.62 kWh (removable)	up to 3.45 kWh (removable)	up to 3.45 kWh (removable)
Battery slots	4 handheld, 2 suitcase	6 handheld	6 handheld
Blade speed	4,200 rpm	3,000 rpm	3,000 rpm
Number of blades	3	2	2
Cutting height	25 - 114 mm	38 - 114 mm	38 - 114 mm
Height cutting adjustment	13 positions / manual adjustment	7 positions / manual adjustment	7 positions / manual adjustment
Cutting systems	Mulch or side-discharge	Mulch or side-discharge	Mulch or side-discharge
Front LED light	Yes	Yes	Yes
Seat	Suspension seat	Adjustable seat	Adjustable seat
Parking brake	Electromagnetic	Electromagnetic	Manual
Roll over protection system	Yes	No	No
ETO connector	Yes	No	No
Cargo bed	Yes	No	No
Tow hitch	Yes	Yes	Yes
Max. drive speed	12.9 km/h	12.9 km/h	12.8 / 4.8 km/h backward
Area capacity	Up to 15,800 m <sup>2</sup>	Up to 10,500 m <sup>2</sup>	Up to 10,500 m <sup>2</sup>
On-board charging plug	Yes	Yes	Yes
Weight	350 kg	232 kg	187 kg
Water resistance	IPX4	IPX4	IPX4

# Accessories

Product/Accessory	82ZT122	82ZT107	82LT107
ZTR Blades side-discharge 3 pcs.	7502886	—	—
ZTR Blades mulching 3 pcs.	7502986	—	—
ZTR Mulch-kit	7503086	—	—
Residential ZTR/LT blades 107 cm 2 pcs.	—	7502786	7502786
Ride maintenance jack	7502386	7502386	7502386

# 82V Walk-Behind & Handheld



82V

## 82V RANGE OVERVIEW

## Easy to use

All walk behind models feature variable speed drive and high manoeuvrability to tackle slopes, obstacles and narrow passages. Whether the task is transporting or clearing snow, the 82V walk behind has it covered.

## Ergonomic design

All models are designed to be user friendly and comfortable in use, with features such as height adjustable handles, easy to empty collectors, quick release cargo dumping, and snow chute adjustment.

## Durable design

All models are constructed from high quality materials, with strong heavy duty steel frames, and durable rubber wheels for exceptional traction across any surface.

## Efficient motors

The highly efficient brushless motors offer best in class performance and extended runtimes, allowing even large jobs to be carried out quickly in any conditions.

Utility Cart  
82UC



Snow Thrower  
82SN61



Earth Auger  
82EA14



**82UC**

ERP: 7400086 | EAN: 6952909025216

- + Large high traction wheels for various types of terrain, from smooth surfaces to uneven ground
- + Four wheels for extra stability
- + Powerful drive motor for easy handling of inclines
- + Forward and reverse drive function
- + Large cargo bed for efficient usage
- + Tipping function for quick unloading with hydraulic power
- + Highly maneuverable thanks to rear castor wheels

**SPECIFICATIONS**

Max. Forward drive speed	5.2 km/h		
Max Reverse drive speed	3 km/h		
Battery slots	Single		
<b>100 L</b>	<b>150 kg</b>	<b>IPX4</b>	
Max. load capacity	Max. load weight	Water resistance	

⌚ Runtime up to 140 min\*

🔋 £598 savings in TCO

**82SN61**

ERP: 2600286 | EAN: 6936854136111

- + Dual stage throwing system with a hardened steel impellor to draw in the snow
- + Easy handling due to user-friendly control display
- + Flexible drive with two independent wheel hub motors which are controlled by twin hand levers
- + Heated handles for convenient usage
- + Removable chute cleaning tool and spare shear bolts

**SPECIFICATIONS**

Drive levels	3-forward, 1-reverse		
Auger speeds	5 (80 – 120 RPM)		
Battery slots	Three		
Chute rotation	200°		
<b>61 cm</b>	<b>5.5 kW</b>	<b>15 m</b>	<b>IPX4</b>
Clearing width	Power	Max. throwing distance	Water resistance

✋ Equivalent to 253 cc

⌚ Clearing area up to 362 m<sup>2</sup> \*\*

🔋 £965 savings in TCO

\*\* All stated times are "up to" measures and are measured under light conditions during safe and controlled ways of working with 3 x 82V580P batteries. See more on page 140.

**82EA14**

ERP: 3700086 | EAN: 6952909098432

- + The auger powerhead features a variable speed trigger, allowing total control of the job in hand as well as a switch to change drilling direction from forward to reverse
- + Dual trigger start procedure, to avoid accidental start-up, and in-built clutch to prevent injury in the event of impacting a solid object
- + Slimline design allows easy handling and transportation between jobs, as well as keeping weight to a minimum
- + Digging holes up to a depth of 1.5 m

**SPECIFICATIONS**

Power	1.4 kW		
Auger diameter (included)	20.3 cm additional Auger diameter optional		
Auger shaft diameter	2.2 cm		
Auger	One extension included in addition to the Auger		
Additional drills	10 / 15 cm		
<b>210 RPM</b>	<b>81 Nm</b>	<b>20.3 cm</b>	<b>88.9 cm</b>
Auger Speed	Torque	Auger Diameter	Auger Length

✋ Equivalent to 35 cc

⌚ Runtime up to 25 min\*

🔋 £869 savings in TCO

\* All stated times are "up to" measures and are measured under load during safe and controlled ways of working with 1 x 82V 82V580P batteries. See more on page 140.

# Specification



Product/Feature	82UC	Product/Feature	82SN61	Product/Feature	82EA14
ERP	7400086	ERP	2600286	ERP	3700086
EAN	6952909025216	EAN	6936854136111	EAN	6952909098432
Motor	Brushless	Motor	Brushless	Auger speed	210 RPM
Max. speed (forward/reverse)	5.2 km/h / 3 km/h	Power	5.5 kW	Torque	81 Nm
Battery slots	Single	Equivalent	253 cc	Auger diameter (included)	20.3 cm
Drive functions	2-forward, 1-reverse	Battery slots	Three	Power	1.4 kW
Dump bed capacity	100 Liters	Drive functions	3-forward, 1-reverse	Shaft diameter	2.2 cm
Carry weight	150 kg	Auger speed	5 speed levels 80 / 90 / 100 / 110 / 120 RPM	Auger	One extension included in addition to the Auger
Dump bed tilting	Hydraulic	Discharge distance	up to 15 m	Max. hole depth	1.5 m
Max. slope (with full load)	17°	Clearing depth / width	50.8 / 61 cm	LED light	Yes
Water resistance	IPX4	Chute rotation	up to 200°	Weight (without battery and auger)	8.55 kg
Weight	32 kg	Hub wheel size	38 cm		
		Auger diameter	28 cm		
		Impeller thickness	2.6 mm		
		Vibration	2 m/s <sup>2</sup>		
		Water resistance	IPX4		
		Weight	84 kg		

## Accessories

Earth Auger Accessory	82EA14
Auger drill 10 cm	3500086
Auger drill 15 cm	EAD15A1
Auger drill 20 cm	2916886
Auger blades 10 cm 2pcs. (incl. 4x screws)	2922586
Auger blades 15 cm 2pcs. (incl. 4x screws)	EABL15A1
Auger blades 20 cm 2pcs. (incl. 4x screws)	2923486

# 82V Battery and Charger Solutions



82V

## 82V BATTERY &amp; CHARGER RANGE OVERVIEW

## Class leading power

Cramer 82V batteries offer class leading power output of up to 4 kW to tackle even the toughest jobs with ease.

## Exceptional power to weight ratio

Despite the high power output, thanks to innovative battery technology Cramer batteries feature a compact and lightweight design for an exceptional power to weight ratio.

## Built for reliability

The 82V architecture allows the battery to offer class leading power while keeping cell temperatures cooler than smaller voltage alternatives. Benefits of Cramer 82V include a longer working life and extended runtimes.

## Always charged

Our charging solutions offer rapid charging for up to 6 batteries simultaneously, ensuring operators can continue to work throughout the day.

## Batteries

82V180  
82V290P  
82V360  
82V580P



Battery Suitcase  
82V1150



Single/Dual-Slot  
Chargers  
82C2  
82C1G



6-Slot Charger  
82C6



## 82V580P

ERP: 2913486 | EAN: 6952909083131

For longer runtime, a great peak power and equipped with Bluetooth allowing you to always stay connected | 82V 8 Ah battery has **580 Wh of power** |

Display showing charge status in % | Compatible with Cramer Fleet Management via Bluetooth



### SPECIFICATIONS

Voltage	82V
Rated capacity	8 Ah
Bluetooth	Yes
Charging time with 82C1G:	120 min
Charging time with 82C2:	60 min
Weight	3.8 kg

**580 Wh**

Capacity

**4 kW**

Maximum power

## 82V360

ERP: 2913386 | EAN: 6952909083124

Low weight despite high peak power | 82V 5 Ah battery has **360 Wh of power** | Display showing charge status in % | Compatible with Cramer Fleet Management via Bluetooth



### SPECIFICATIONS

Voltage	82V
Rated capacity	5 Ah
Bluetooth	Yes
Charging time with 82C1G:	75 min
Charging time with 82C2:	50 min
Weight	2.7 kg

**360 Wh**

Capacity

**4 kW**

Maximum power

## 82V290P

ERP: 2913586 | EAN: 6952909083148

82V 4 Ah battery has **290 Wh of power** | Compatible with Cramer Fleet Management via Bluetooth | Display showing charge status in %



### SPECIFICATIONS

Voltage	82V
Rated capacity	4 Ah
Bluetooth	Yes
Charging time with 82C1G:	60 min
Charging time with 82C2:	35 min
Weight	2.0 kg

**290 Wh**

Capacity

**3.2 kW**

Maximum power

## 82V180

ERP: 2913286 | EAN: 6952909083117

82V 2.5 Ah battery has **180 Wh of power** | Compatible with Cramer Fleet Management via Bluetooth | Display showing charge status in %



### SPECIFICATIONS

Voltage	82V
Rated capacity	2.5 Ah
Bluetooth	Yes
Charging time with 82C1G:	38 min
Charging time with 82C2:	38 min
Weight	1.7 kg

**180 Wh**

Capacity

**2.2 kW**

Maximum power

# 82V1150 Suitcase Battery

ERP: 2917986 | EAN: 6936854102734

- Extended runtime: capacity provides long runtime and high efficiency for demanding gardening tasks.
- Class leading power to weight ratio: compact and robust to deliver high power and large capacity
- Portable design: two handles for easy transport and handling
- Simple installation with high current cable (not included)
- Connectable via bluetooth to see most important battery information



## SPECIFICATIONS

<b>1.150 Wh</b>	<b>7.2 kW</b>	<b>IPX4</b>	Voltage	82V
Capacity	Maximum power	Water resistance	Rated capacity	16 Ah
			Weight	7.7 kg

## Specification



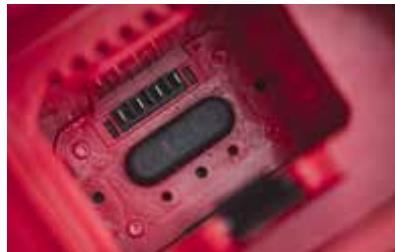
PRODUCT/FEATURE	82V1150	82V580P	82V360	82V290P	82V180
ERP	2917986	2913486	2913386	2913586	2913286
EAN	6936854102734	6952909083131	6952909083124	6952909083148	6952909083117
Voltage	82V	82V	82V	82V	82V
Rated capacity	16 Ah	8 Ah	5 Ah	4 Ah	2.5 Ah
Capacity	1150 Wh	580 Wh	360 Wh	290 Wh	180 Wh
Peak power	7.2 kW	4 kW	4 kW	3.2 kW	2.2 kW
Bluetooth	Yes	Yes	Yes	Yes	Yes
Weight	7.86 kg	3.8 kg	2.7 kg	2.0 kg	1.7 kg

## 82C6 6-Slot Fast Charger

The Cramer 82C6 82V 8A rapid charging station features 6 x 4A slots to charge up to six batteries at the same time, with integrated battery cooling and charge status indicator LED. The charger includes detachable EU and UK power leads and is fully compatible with all 82V Cramer professional batteries up to 8 Ah.



For easy transportation the charging station is built on a steel frame with integrated transport wheels.



IPX4 classified for use in all weathers.  
Additionally, 6 drain holes provide extra safety.



Detachable EU and UK power leads.

## 82C6

ERP: 2900586 | EAN: 6952909025179

- Charges 6 x 82V 8 Ah batteries in 160 minutes
- 2-in-1: There is no need to swap batteries between transportation boxes and chargers. After quickly charging all batteries the box can conveniently carried to every workplace
- Use indoors and outdoors. The Cramer 6-slot charger features an automatic closing system, so that the batteries will never get wet even when it starts raining



### CHARGING TIMES

Charging time	2.5 Ah (4A)	4 Ah (6A)	5 Ah (6A)	8 Ah (6A)
1 Battery	37 min	40 min	50 min	80 min
2 Batteries	37 min	40 min	50 min	80 min
3 Batteries	37 min	40 min	50 min	80 min
4 Batteries	2 x 37 min	2 x 40 min	2 x 50 min	2 x 80 min
	2 x 50 min	2 x 80 min	2 x 100 min	2 x 160 min
5 Batteries	1 x 37 min	1 x 40 min	1 x 50 min	1 x 80 min
	4 x 50 min	4 x 80 min	4 x 100 min	4 x 160 min
6 Batteries	50 min	80 min	100 min	160 min

### SPECIFICATIONS

Slots	Amps	IPX4	PRODUCT	82C6
<b>6</b>	<b>6 x 4 A</b>	Water resistance	Voltage	82V
			IPX4	Yes
			Weight	19 kg



Cramer's 82V batteries offer you the highest peak power on the market, ensuring that you always have enough energy for complex work.



Connect the batteries to Cramer Fleet Management via Bluetooth. You can immediately check charge status, remaining runtime, temperature and charging cycles with your smartphone.



The battery features integrated LED status lights which clearly display the level of charge as well as when recharging is required.

## 82C1G

ERP: 2905686 | EAN: 6952909027418

### SPECIFICATIONS

Slots	Amps
1	4 A



## 82C2

ERP: 2908386 | EAN: 6952909048383

Simultaneously recharges 2 batteries until fully charged | Fewer chargers needed thanks to two charging slots

### SPECIFICATIONS

Slots	Amps
2	8 A



Batteries can be charged immediately after use, as the built-in fan provides cooling during the charging process.

### CHARGING TIMES

All stated charging times require that the battery has sufficient temperature and charging is done in line with the instructions from the operators manual.

(minutes)

2913286	82V180	82V 2.5AH
2913586	82V290P	82V 4AH
2913386	82V360	82V 5AH
2916086	82V430X	82V 6AH
2913486	82V580P	82V 8AH

82C1G		82C2   2908386			
(4A)		(8A)			
80%	100%	80%	2 batteries	100%	2 batteries
1 battery	1 battery	1 battery	2 batteries	1 battery	2 batteries
30	48	24	30	45	50
48	70	24	48	45	70
60	80	30	60	50	80
72	95	36	72	56	92
96	120	48	96	70	135

# Great endurance and quick recovery

Cramer 82V batteries provide any 82V device with the power you need so that you can always perform, even with the highest loads and harshest conditions. With Cramer's 82V fast-charging devices, your batteries will be fully charged in next to no time. The data shows estimates based on standard applications.

RUNTIMES		Recommended batteries							
Battery	82V180	82V290P	82V360	82V580P					
<b>Ride-On Mowers (area mown m<sup>2</sup>)</b>									
	Light grass cutting (maintenance)	Tough grass cutting (above 15cm)	Light grass cutting (maintenance)	Tough grass cutting (above 15cm)	Light grass cutting (maintenance)	Tough grass cutting (above 15cm)	Light grass cutting (maintenance)	Tough grass cutting (above 15cm)	
<b>82ZT107</b> Mulching blade (with 6 batteries)	3,500	2,500	5,250	4,500	7,000	5,100	10,500	7,800	
<b>82LT107</b> Mulching blade (with 6 batteries)	3,500	2,500	5,250	4,500	7,000	5,100	10,500	7,800	
	<b>2X 82V1150 - SUITCASE BATTERIES ONLY</b>				<b>2X 82V1150 AND 4X 8AH BATTERIES - FULLY EQUIPPED</b>				
	Light grass cutting		Tough grass cutting		Light grass cutting		Tough grass cutting		
<b>82ZT122</b>	7,900		5,000		15,800		11,700		
<b>Utility Cart (minutes)</b>									
	Low speed	High speed	Low speed	High speed	Low speed	High speed	Low speed	High speed	
<b>82UC</b>	80	62	100	82	140	112	190	152	
<b>Snow Thrower (area cleared m<sup>2</sup>)</b>									
	Light condition	Tough condition	Light condition	Tough condition	Light condition	Tough condition	Light condition	Tough condition	
<b>82SN61</b> (with 3 batteries)	128	52	181	66	227	83	362	132	
<b>Earth Auger (minutes)</b>									
	<b>82V180</b> 20 cm Auger	<b>82V290P</b> 20 cm Auger	<b>82V360</b> 20 cm Auger	<b>82V580P</b> 20 cm Auger					
<b>82EA14</b>	15	25	33	50					

Unlike our competitors, we measured full cutting time for our products, which means the products are running under a scenario of full gas all the time without any stops or breaks. All stated times are "up to" measures and are measured under load during safe and controlled ways of working.

This means no stressing of the products to extreme limits. "Light conditions" means that the product is running at 60-80% capacity. "Hard working conditions" means the product is running at 80-100% capacity.

The status of cutting equipment and way of working with the product will affect the runtime dramatically. Therefore, it is important to always keep your blade sharp.



# Accessories

## Accessories for Professional Garden Tools Durable, Reliable, Efficient

In professional landscaping and gardening, every detail counts: equipment must deliver reliable performance, even under intensive daily use. High-quality accessories and spare parts are essential to ensure consistent power, precision, and safety.

Our range of professional accessories includes:

- **Durable spare and wear parts**, engineered for continuous operation
- **Specialized attachments and extensions**, designed to adapt tools to a wide variety of applications
- **Ergonomic carrying and battery systems**, enhancing comfort, safety, and efficiency in everyday work

This way, your garden tools remain ready for use at all times – even under the toughest conditions.

With the right accessories, you not only increase work efficiency but also improve the long-term cost-effectiveness of your entire equipment fleet.



**OPTIMUS™****Zero turn mowers**

Product	ERP	EAN	Compatibility
ZTR Blades 92 cm for Side-Discharge 2 pcs	7501086	6936854137989	ZTC92
ZTR Blades 92 cm for Mulching 2 pcs	7500486	6936854102109	ZTC92
ZTR Blade 122 cm for Rear-Discharge (2pcs mulching +1pcs discharge)	7501186	6936854138344	ZTC122R
ZTR Blade 132 cm for Rear-Discharge (2pcs mulching +1pcs discharge)	7501286	6936854138337	ZTC132R
ZTR Blade 152 cm for Rear-Discharge (2pcs mulching +1pcs discharge)	7501386	6936854137996	ZTC152R
ZTR Blades 152 cm for Mulching Side-Discharge 3 pcs	7500686	6936854102123	ZTC152
ZTR Blade 182 cm for Rear-Discharge (2pcs mulching +1pcs discharge)	7501586	6936854139204	ZTC182R
ZTR Mulch-Kit 92 cm (1x Mulch baffles, 2x Mulch blades, Side-closure)	7501686	6936854138009	ZTC92
ZTR Mulch-Kit 122 cm (2x Mulch baffles, 3x Mulch blades, Rear-closure)	7501786	6936854138016	ZTC122R
ZTR Mulch-Kit 132 cm (2x Mulch baffles, 3x Mulch blades, Rear-closure)	7501886	6936854138023	ZTC132R
ZTR Mulch-Kit 152cm RD (2x Mulch baffles, 3x Mulch blades, Rear-closure)	7501986	6936854138030	ZTC152R
ZTR Mulch-Kit 152cm SD (2x Mulch baffles, 3x Mulch blades, Side-closure)	7503286	6936854138627	ZTC152
ZTR Mulch-Kit 182 cm (2x Mulch baffles, 3x Mulch blades, Side-closure)	7502086	6936854138634	ZTC182R
ZTR Tweels 152 cm 1 pc.	7502186	6936854139211	ZTC152 / ZTC152R
Ride Maintenance Jack	7502386	6936854138641	Fits for all Zero Turn & Tractor models

**Chainsaws / polesaws**

Product	ERP	EAN	Compatibility
Polesaw Chain 25 cm	2906786	6952909031606	PST39
Chainsaw Chain 46 cm Oregon	2921486	6936854138184	CS36
Chainsaw Chain 51 cm Oregon	2921586	6936854138191	CS36, CS45
Chainsaw Chain 61 cm Oregon	2921686	6936854138207	CS45
Chainsaw Chain 71 cm Oregon	2921786	6936854138214	CS45
Polesaw Bar 25 cm	2919786	6936854137514	PST39
Chainsaw Bar 46 cm Oregon	2921986	6936854138283	CS36
Chainsaw Bar 51 cm Oregon	2922086	6936854138290	CS36
Chainsaw Bar 51 cm Oregon	2922186	6936854138306	CS45
Chainsaw Bar 61 cm Oregon	2922286	6936854138702	CS45
Chainsaw Bar 71 cm Oregon	2922386	6936854138696	CS45
Chainsaw Chain 41 cm Oregon	C41CHNA1	6936854148244	CS30
Chainsaw Chain 46 cm Oregon	C46CHNA1	6936854148329	CS30
Chainsaw Chain 51 cm Oregon	C51CHNA1	6936854148350	CS30
Chainsaw Bar 41 cm Oregon	C41BARA1	6936854148251	CS30
Chainsaw Bar 46 cm Oregon	C46BARA1	6936854148336	CS30
Chainsaw Bar 51 cm Oregon	C51BARA1	6936854148367	CS30
Chainsaw Scabbard 41 cm	C41SA1	6936854148312	CS30
Chainsaw Scabbard 46 cm	C46SA1	6936854148343	CS30
Chainsaw Scabbard 51 cm	C51SA1	6936854148374	CS36, CS45

**OPTIMUS™****Lawnmowers**

Product	ERP	EAN	Compatibility
Lawnmower Blade 53 cm for Collecting/Discharge	2919986	6936854137569	ATM53A
Lawnmower Blade 53 cm for Collecting/Discharge	LM53BLA1	6936854148381	LM530CS
Lawnmower Blade 53 cm for Mulching	LM53MBLA1	6936854148398	LM530CS
Lawnmower Blades 76 cm for Collecting/Discharge 2 pcs.	2916786	6952909099163	ATM76S/ATM76SC
Lawnmower Blade 53 cm for Mulching	2920086	6936854137576	ATM53A
Lawnmower Blades 76 cm for Mulching 2 pcs.	2919886	6936854137545	ATM76S/ATM76SC
Lawnmower Rear-Side-Discharge Chute 53 cm (left sided)	2918186	6936854135497	ATM53A
Lawnmower Rear-Side-Discharge Chute 76 cm (right sided)	2919186	6936854136210	ATM76S/ATM76SC

**Powercutters**

Product	ERP	EAN	Compatibility
Powercutter Blade 300 mm for steel cuts	2910386	6952909066752	PC300
Powercutter Blade 350 mm for steel cuts	2917586	6952909099279	PC350
Powercutter Blade 300 mm for wet cuts	2910286	6952909066745	PC300
Powercutter Blade 300 mm for dry cuts	2910486	6952909066769	PC300
Powercutter Blade 350 mm for dry cuts	2917686	6952909099286	PC350
Powercutter Water Tank 12L	2911386	6952909075723	PC300, PC350
Powercutter Cart	2915886	6952909091990	PC300, PC350

**Trimmers / brushcutters**

Product	ERP	EAN	Compatibility
Trimmer line 2.4 mm 50 m	2920486	6936854138085	T13, T16, T20, TB13H, TB20H, TB20L
Trimmer Spool 2.4 mm (incl. 8 m Trimmer line)	2920586	6936854138092	T13, T16, T20, TB13H, TB20H, TB20L
Trimmer Spool Cover	2920686	6936854138108	T13, T16, T20, TB13H, TB20H, TB20L
Trimmer Head 2.4 mm (incl. Spool, Trimmer Line and Cover)	2913686	6952909084039	TB20H, TB20L
Trimmer Head 2.4 mm (incl. Spool, Trimmer Line and Cover)	2913786	6952909084046	T13, T16, T20, TB13H
Brushcutter Tri-Blade only	2920786	6936854138115	T13, T16, T20, TB13H, TB20H, TB20L
Brushcutter Clearingsaw-Blade only	2910186	6952909066738	TB20H, TB20L
Trimmer Line 2.7 mm 250 m	T27L250A1	6936854148435	Fits for QuikLoad Trimmer Head, T13, T16, T20, TB13H
Trimmer Head QuikLoad 400 (incl. Spool, Trimmer Line 2.7 mm and Cover)	T27H400A1	6936854148442	Fits for QuikLoad Trimmer Head, T13, T16, T20, TB13H
Trimmer Spool QuikLoad 400 (incl. Trimmer Line 2.7 mm, 7.3 m)	T27S400A1	6936854148459	Fits for QuikLoad Trimmer Head, T13, T16, T20, TB13H
Trimmer Spool Cover QuikLoad 400	TC400A1	6936854148466	Fits for QuikLoad Trimmer Head, T13, T16, T20, TB13H

# OPTIMUS™

## Hedgetrimmers



Product	ERP	EAN	Compatibility
Hedgetrimmer / Pole Hedger Blade 51 cm	2920986	6936854138139	HT61, HT71, PHT32, PH22
Hedgetrimmer / Pole Hedger Blade 61 cm	2917386	6952909099248	HT61, HT71, PHT32, PH22
Hedgetrimmer / Pole Hedger Blade 71 cm	2920186	6936854137606	HT61, HT71, PHT32, PH22
Hedgetrimmer / Pole Hedger Blade Transport Protection 51 cm	2921086	6936854138146	Depending on blade length, HT61, HT71, PHT32, PH22
Hedgetrimmer / Pole Hedger Blade Transport Protection 61 cm	2921186	6936854138153	Depending on blade length, HT61, HT71, PHT32, PH22
Hedgetrimmer / Pole Hedger Blade Transport Protection 71 cm	2921286	6936854138160	Depending on blade length, HT61, HT71, PHT32, PH22
Hedgetrimmer / Pole Hedger Blade Tip Protection	2921386	6936854138177	HT61, HT71, PHT32, PH22

## Complementary products



Product	ERP	EAN	Compatibility
Ergonomic Harness	2900886	6952909025322	Variable use, mainly recommended for: TB13H, TB20H, TB20L (Harness already included for Brushcutters)
Ergonomic Harness Brushcutter support plate only	2901286	6952909025360	Fits for Ergonomic Harness
Ergonomic Harness Backpack for Batteries only	2900986	6952909025339	Fits for Ergonomic Harness
Hip Belt Harness (incl. Battery Pockets Hard/Soft, Battery Dummy, Cable)	2911086	6952909071244	Variable use, mainly recommended for: HT61, HT71

## 82V Range



### Ride-on mowers

Product	ERP	EAN	Compatibility
Residential ZTR/LT Blades 107 cm 2 pcs.	7502786	6936854138719	82LT107, 82ZT107
ZTR Maximus Blades 122 cm for Side-Discharge 3 pcs.	7502886	6936854139891	82ZT122
ZTR Maximus Blades 122 cm for Mulching 3 pcs.	7502986	6936854139907	82ZT122
ZTR Maximus Mulch-Kit 122 cm (2x Mulch baffles, 3x Mulch blades, Side-closure)	7503086	6936854139884	82ZT122

## Others



Product	ERP	EAN	Compatibility
Earth Auger Drill, Diameter 10 cm	3500086	6936854137613	82EA14
Earth Auger Drill, Diameter 15 cm	EAD15A1	6936854148480	82EA14
Earth Auger Drill, Diameter 20 cm	2916886	6952909099194	82EA14
Earth Auger Blades (incl. 4x Screws) 2pcs.	2922586	6936854138528	Fits for Earth Auger Drills 10cm, 82EA14
Earth Auger Blades (incl. 4x Screws) 2pcs.	EABL15A1	6936854148473	Fits for Earth Auger Drills 15cm, 82EA14
Earth Auger Blades (incl. 4x Screws) 2pcs.	2923486	6936854138535	Fits for Earth Auger Drills 20cm, 82EA14

# 48V Range



48V

## Great performance

The 48V battery system has the perfect balance of a compact design and powerful performance, allowing users to tackle tough gardening tasks with ease while producing zero emissions.

## Comfortable and user-friendly

Simple and intuitive to use, without compromising safety and performance. Features such as height adjustable handles and perfect balance ensure user comfort even when working in larger gardens.

## Long runtimes

The batteries offer exceptional runtimes, thanks to the latest battery technology and ultra efficient brushless motors, as well as fast charging solutions ensuring continuous work without interruption.

## Highly versatile

The 48V battery powers a wide range of tools for all garden tasks, simply switch the battery between a lawnmower, grass trimmer, hedge trimmer and more to maintain all aspects of the garden with ease.

## RANGE OVERVIEW

### Lawnmowers

**48LM51**  
**48LM48SP**  
**48LM41K4**



### Grass Trimmer & Brush Cutter

**48T10**  
**48TB10**



### Hedge Trimmer

**48HD66**



### Pole Hedge Trimmer

**48PH**



### Leaf Blowers

**48B800**  
**48BV800**



### Mini Chainsaw

**48MCS**  
**48MCSX**



### Chainsaw

**48CS18**



### Pole Saw

**48PS**



**48LM51**

ERP: 48LM51A1 | EAN: 6936854146585

- + New larger 51cm cutting width for larger lawns
- + 3-in-1 function: Mulching, side discharge and collection
- + Strong aluminium ergo height adjustable handle
- + Brushless motor for maximum power and efficiency
- + Automatic battery switch over: Dual battery slots for double run time
- + Turbo button for extra power

⌚ Runtime up to 28 min\*

**SPECIFICATIONS**

Drive	Self-propelled		
Grass catcher	Fabric bag with dust protection		
Cutting height adjustment	Central, 25–80 mm, 7 positions		
Collecting volume	60 l		
Weight	28.6 kg		
<b>51 cm</b>	<b>METAL</b>	<b>DUAL</b>	
Cutting width	Deck material	Battery Slot	

**NEW!****ALSO AVAILABLE AS A KIT**48LM51K | ERP: 48LM51KA1 including:  
1x 48V192 4 Ah battery 1x 48C single slot charger**48LM48SP**

ERP: 2502886 | EAN: 6952909076560

- + 3-in-1 function: Mulching, side discharge and collection
- + New aluminium ergo height adjustable handle
- + Upright storing position
- + Brushless motor for maximum power and efficiency
- + Automatic battery switch over: Dual battery slots for double run time
- + Turbo button for extra power

⌚ Runtime up to 29 min\*

**SPECIFICATIONS**

Drive	Self-propelled		
Grass catcher	Fabric bag with dust protection		
Cutting height adjustment	Central, 25–80 mm, 7 positions		
Collecting volume	55 l		
Weight	27.6 kg		
<b>48 cm</b>	<b>METAL</b>	<b>DUAL</b>	
Cutting width	Deck material	Battery Slot	

**ALSO AVAILABLE AS A KIT**48LM48SPK4 | ERP: 2502886UB including:  
1x 48V192 4 Ah battery 1x 48C single slot charger**48LM41K4**

ERP: 2505686UB | EAN: 6936854136340

- + New improved design
- + Foldable handle for easy storage
- + Easy height adjustment with 6 different heights
- + 2-in-1 function: mulching or collection
- + Brushless motor for maximum power and efficiency

**SPECIFICATIONS**

Drive	Push		
2-in-1 mowing options	Grass collection & mulching		
Grass catcher	Fabric bag with dust protection		
Cutting height adjustment	Central, 25–80 mm, 6 positions		
Collecting volume	50 l		
Includes	Battery and charger		
<b>41 cm</b>	<b>15.9 kg (tool only)</b>	<b>SINGLE</b>	
Cutting width	Lightweight	Battery Slot	

**ONLY  
AVAILABLE  
AS A KIT****ONLY AVAILABLE AS A KIT**48LM41K4 | ERP: 2505686UB including:  
1x 48V192 4 Ah battery 1x 48C single slot charger

**48TB10**

ERP: 2103486 | EAN: 6936854137941

- + Improved design for greater durability
- + Variable speed trigger for trimming around more sensitive areas
- + Excellent cutting performance thanks to extra wide cutting width of 40 cm and powerful brushless motor
- + Safety first: Bike handle allows for increased control and an ergonomic working position
- + Tackle any task: Thanks to a bump feed nylon head and Brush Cutter blade

**SPECIFICATIONS**

Motor	Brushless
Torque	2.1 Nm
RPM	6,300 rpm ±10%
Line thickness	2.0 mm

**40 cm**

Cutting width

**1.0 kW**

Power

**BIKE**

Handle



⌚ Runtime up to 63 min\*

**ALSO AVAILABLE AS A KIT**

48TB10K4 | ERP: 2103486UB including:  
1x 48V192 4 Ah battery 1x 48C single slot charger

**48T10**

ERP: 2103386 | EAN: 6936854137958

- + Improved design for greater durability
- + 2-speed button for multiples uses
- + Efficient and maintenance-free thanks to its brushless motor
- + Low vibration reduces the risk of fatigue
- + Lightweight and compact design
- + Bump feed head to extend length on-demand

**SPECIFICATIONS**

Motor	Brushless
Torque	2.1 Nm
Trigger	Variable
RPM	6,300 rpm ±10%
Weight (without battery)	4 kg

**40 cm**

Cutting width

**1.0 kW**

Power

**LOOP**

Handle



⌚ Runtime up to 63 min\*

**ALSO AVAILABLE AS A KIT**

48T10K2 | ERP: 2103386UA including  
1x 48V96 2 Ah battery 1x 48C single slot charger



**48MCSX**

ERP: 2001886 | EAN: 6952909098869

- + New design with added oil-tank and automatic oiler
- + High performance digital motor
- + Lightweight, slimline design for easy handling and manoeuvrability
- + Exceptionally low vibration for comfortable and safe use
- + High chain speed
- + Long Oregon bar and chain for versatile usage

**SPECIFICATIONS**

Blade length	15 cm
Chain adjustment	Toolless
Oiler	Automatic, built-in
Oil tank volume	55 ml
Chain pitch	0.325"
Chain gauge	0.043"
<b>650 W</b>	<b>1.4 kg</b> (tool only)
<b>Power</b>	<b>Weight</b>
	<b>7.8 m/s</b>
	<b>Chain speed</b>



⌚ Runtime up to **220 cuts\***  
of 10 cm logs

**ALSO AVAILABLE AS A KIT**

48MCSX2 | ERP: 2001886UA including:  
1x 48V96 2 Ah battery 1x 48C single slot charger  
1x Soft Bag, 1x Oil Bottle

**48MCS**

ERP: 2001386 | EAN: 6952909083049

- + High performance digital motor
- + Lightweight, slimline design for easy handling and manoeuvrability
- + Exceptionally low vibration for comfortable and safe use
- + High chain speed
- + Long Oregon bar and chain for versatile usage

**SPECIFICATIONS**

Blade length	15 cm
Chain adjustment	Toolless
Oiler	External
Chain pitch	0.3"
Chain gauge	0.043"
<b>400 W</b>	<b>1.09 kg</b> (tool only)
<b>Power</b>	<b>Weight</b>
	<b>7.8 m/s</b>
	<b>Chain speed</b>



⌚ Runtime up to **205 cuts\***  
of 10 cm logs

**ALSO AVAILABLE AS A KIT**

48MCSK2 | ERP: 2001386UA including:  
1x 48V96 2 Ah battery 1x 48C single slot charger  
1x Soft Bag, 1x Oil Bottle

**48CS18**

ERP: 2000986 | EAN: 6952909076621

- + Advanced grip thanks to integrated metal spikes
- + Oregon bar and chain with the added benefit of automatic chain oiling for smooth performance and a long life
- + Safety is provided by the integrated chain brake, instantly stopping the chain when engaged, such as in the event of a kickback

**SPECIFICATIONS**

Blade length	36 cm
Weight (without bar, chain & battery)	3.6 kg
Oil tank volume	180 ml
Oiler	Automatic
Chain pitch	3/8" 1.1 mm
Chain gauge	3.6 kg
<b>1.8 kW</b>	<b>1.6 Nm</b>
<b>Power</b>	<b>Torque</b>
	<b>20 m/s</b>
	<b>Chain speed</b>



⌚ Runtime up to **125 cuts\***  
of 10 cm logs

**ALSO AVAILABLE AS A KIT**

48CS18K4 | ERP: 2000986UB including:  
1x 48V192 4 Ah battery 1x 48C single slot charger



\*up to measurements with 48V 5Ah battery

**48PS**

ERP: 1401086 | EAN: 6952909089928



- + Extendable aluminium shaft, allowing taller branches to be cut quickly and safely
- + Oregon bar and chain geared for a high chain speed. Ensuring a fast and clean cut when pruning branches
- + Lightweight, slimline design for easy handling and manoeuvrability while pruning
- + Low vibration for comfortable and safe use

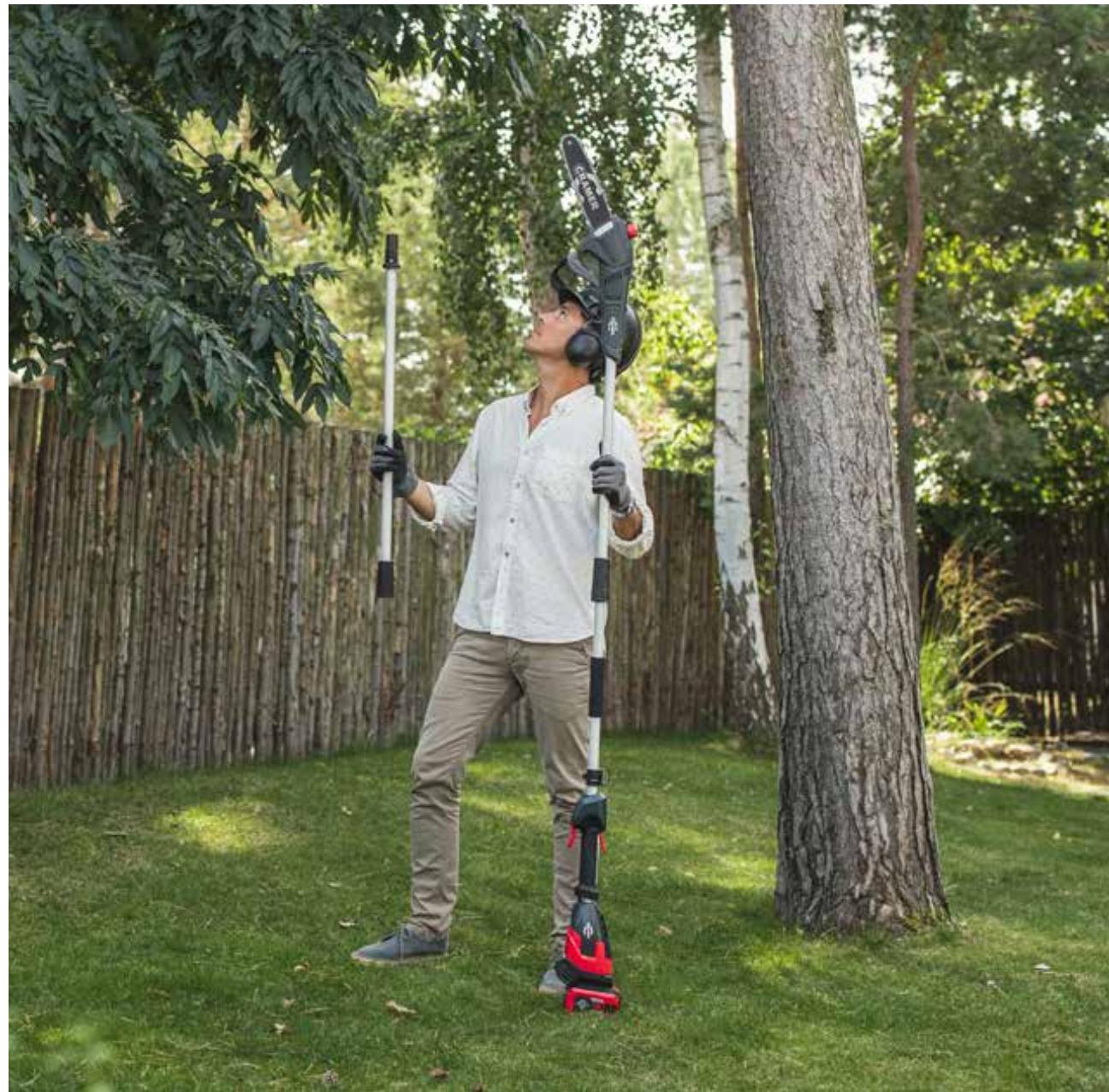
⌚ Runtime up to **165 cuts\*** of 10 cm wood

**ALSO AVAILABLE AS A KIT**

48PSK2 | ERP: 1401086UA including:  
1x 48V 96 2 Ah battery 1x 48C single slot charger

**SPECIFICATIONS**

Blade length	25 cm
Weight (without bar, chain & battery)	3.85 kg
Oil tank volume	80 ml
Oiler	Automatic
Chain speed	14 m/s
<b>550 W</b>	<b>3 m</b>
<b>Power</b>	<b>Length</b>
	<b>14 m/s</b>
	<b>Chain speed</b>



\*up to measurements with 48V 5Ah battery

**48HD66**

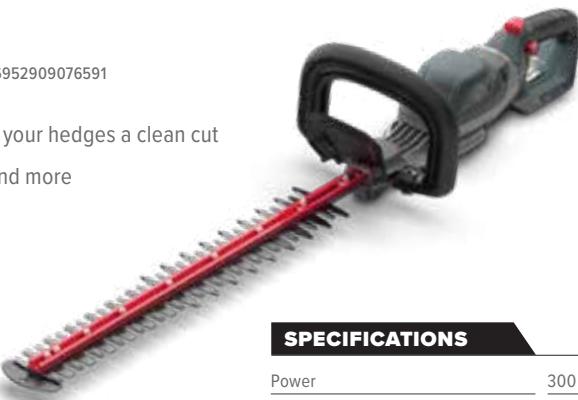
ERP: 2200786 | EAN: 6952909076591

- Well balanced and powerful enough to give your hedges a clean cut
- Dual-action blades – faster cutting speed and more efficient cutting
- Robust lasercut steel blades
- Rotating rear handle
- Magnesium housing for reduced weight and high durability

 Runtime up to 220 min\*

**ALSO AVAILABLE AS A KIT**

48HD66K2 | ERP: 2200786UA including:  
1x 48V96 2 Ah battery 1x 48C single slot charger

**SPECIFICATIONS**

Power	300 W
Blade opening	32 mm
Blade type	Double action
Trigger	2 (reverse function)
Rotating rear handle	Yes
Weight (without battery)	3.6 kg

**4000 cpm**  
Cutting speed

**LASER CUT**  
Steel blades

**66 cm**  
Blade length

**48PH**

ERP: 2301286 | EAN: 6952909089935



- Extendable aluminium shaft allowing taller hedges to be trimmed quickly and safely
- Dual-action blades – Faster cutting speed and more efficient cutting
- Ergonomic soft grip handle for additional comfort while trimming, and a soft padded shoulder strap
- Lightweight, slimline design

 Runtime up to 150 min\*

**ALSO AVAILABLE AS A KIT**

48PHK2 | ERP: 2301286UA including:  
1x 48V96 2 Ah battery 1x 48C single slot charger

**SPECIFICATIONS**

Power	300 W
Blade opening	30 mm
Blade type	Double action
Cutting head	Pivoting
Product length	2.9 m
Weight (without battery)	3.6 kg

**3200 cpm**  
Cutting speed

**LASER CUT**  
Steel blades

**51 cm**  
Blade length



\*up to measurements with 48V 5Ah battery

**48B800**

ERP: 2400786 | EAN: 6952909076652

- + Axial fan design for optimal performance
- + Light and easy to use for fast cleaning
- + Fast air speed to tackle most demanding jobs
- + Cruise control for user convenience
- + Turbo button for extra power
- + Includes nozzle attachment

**SPECIFICATIONS**

Motor	Brushless
Variable speed	Yes
Boost feature	Yes
Fan type	Axial
Trigger	Variable
Weight (without battery)	2.51 kg
<b>62.5</b> m/s	
Air speed	
<b>800</b> W	
Power	
<b>993</b> m <sup>3</sup> /h	
Air volume	



⌚ Runtime up to 29 min\*

**ALSO AVAILABLE AS A KIT**48B800K4 | ERP: 2400786UB including:  
1x 48V192 4 Ah battery 1x 48C single slot charger**48BV800**

ERP: 2400886 | EAN: 6952909076669

- + 2-in-1: Blow and vacuum
- + Brushless motor for maximum power and greater efficiency
- + 2-in-1: Blow and vacuum, quick and tool-less change
- + 10:1 mulching ratio to be able to use mulch as a fertilizer

**SPECIFICATIONS**

Motor	Brushless
Variable speed	Yes
Boost feature	Yes
Fan type	Centrifuge
Collecting bag	45 L
Weight (without battery)	2.36 kg
<b>86</b> m/s	
Air speed	
<b>800</b> W	
Power	
<b>576</b> m <sup>3</sup> /h	
Air volume	



⌚ Runtime up to 23 min\*

**ALSO AVAILABLE AS A KIT**48BV800K4 | ERP: 2400886UB including:  
1x 48V192 4 Ah battery 1x 48C single slot charger

# Advanced power with 48V tabless technology.

The 48BT216 and 48BT170 offer the latest innovation in battery technology for garden tools, now featuring tabless cell technology.

Designed to deliver more performance, efficiency and reliability, these next-generation batteries represent a significant advancement in cordless power solutions.

Unlike traditional tabbed batteries, which rely on internal connectors to transfer current, Cramer's 48V tabless cell technology enables a more efficient flow of electricity across the entire electrode surface.

This results in reduced internal resistance, improved thermal management, and more energy efficiency - all of which contribute to faster charging times, extended runtimes, and higher power output.

## 48V Tabless Battery Benefits



### HIGHER POWER OUTPUT



### INCREASED POWER-TO-WEIGHT RATIO



### FASTER CHARGING



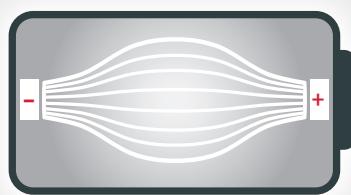
### LONGER RUNTIME



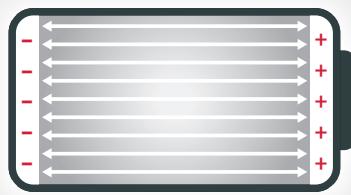
### LONGER BATTERY LIFE



### INCREASED DURABILITY



Traditional tabbed battery cell



**NEW** tabless battery cell

With efficient flow of electricity across the entire electrode surface.

## Status and Connectivity

The new batteries feature an integrated display with battery level indicators.



## Protective Casing

All 48V batteries are built to last, constructed with durable high quality housings and IPX4 weatherproof rating.

## Tabless Cell Interface

Thanks to the improved tabless cell technology, the internals of the battery can be packaged in a more efficient way.

## High Output

By utilizing tabless technology, the power-to-weight ratio is significantly improved compared to traditional batteries.

## Durable Terminal Assembly

The terminal assembly is built to withstand the demands of residential use. As well as being designed for simple mounting and removal from all 48V products.

## 48BT216 5Ah Battery

ERP: 48BT216A1 | EAN: 6936854146554

- + 48V / 5 Ah / 216 Wh
- + Innovative Tabless Cells - More power, longer runtime, faster charging!
- + Integrated LEDs indicate the load status
- + Faster charging
- + No self-discharge



### SPECIFICATIONS

Voltage	48V		
Rated capacity	5Ah		
Bluetooth	Yes		
<b>216 Wh</b>	<b>3.0 kW</b>	<b>1.2 kg</b>	
Capacity	Maximum power	Weight	

## 48BT170 4Ah Battery

ERP: 48BT170A1 | EAN: 6936854146578

- + 48V / 4 Ah / 170 Wh
- + Innovative Tabless Cells - More power, longer runtime, faster charging!
- + Integrated LEDs indicate the load status
- + Faster charging
- + No self-discharge



### SPECIFICATIONS

Voltage	48V		
Rated capacity	4Ah		
Bluetooth	Yes		
<b>170 Wh</b>	<b>3.0 kW</b>	<b>1.2 kg</b>	
Capacity	Maximum power	Weight	

# CRAMER CONNECT

## Powered by intelligence

Cramer 48V batteries combine the latest technology with intelligent operation. The 48V batteries feature full connectivity via Bluetooth to the Cramer Connect App for total control from your smartphone.

- + View product settings and status
- + View battery temperature
- + Track location
- + Receive software information
- + Customize your battery name
- + Battery lock



### 48V192 4Ah BATTERY

ERP: 2911786 | EAN: 6952909076720



- + 21700 cells - More power for less weight!
- + Perfectly connected via Bluetooth and compatible with the Cramer App
- + Integrated LEDs indicate the load status
- + No memory effect
- + Quick charging
- + No self-discharge



#### SPECIFICATIONS

Voltage	48V
Rated capacity	4Ah
Bluetooth	Yes
<b>192 Wh</b>	<b>1.8 kW</b>
Capacity	Maximum power

### 48V96 2Ah BATTERY

ERP: 2912286 | EAN: 6952909078014



- + Integrated LEDs indicate the load status
- + Perfectly connected via Bluetooth and compatible with the Cramer App
- + No memory effect
- + Quick charging
- + No self-discharge



#### SPECIFICATIONS

Voltage	48V
Rated capacity	2Ah
Bluetooth	Yes
<b>96 Wh</b>	<b>1.3 kW</b>
Capacity	Maximum power

### 48SK192 STARTER KIT

ERP: 2912486 | EAN: 6952909076744



- + 48V Starter kit fuels all 48V Cramer tools Includes 1x 4Ah Battery 48V192 and 1x 4A Single Port Charger 48C
- + Lithium-Ion technology from Cramer – no self discharge, fast charging
- + Integrated LEDs indicate the load status
- + Wall mountable



#### SPECIFICATIONS

Voltage	48V
Battery rated capacity	4Ah
Charging current	4A
Charger slot	One
Bluetooth	Yes
<b>192 Wh</b>	<b>48 V</b>
Capacity	Charging voltage

### 48SK96 STARTER KIT

ERP: 2912386 | EAN: 6952909078021



- + 48V Starter kit fuels all 48V Cramer tools Includes 1x 2Ah Battery 48V96 and 1x 4A Single Port Charger 48C
- + Lithium-Ion technology from Cramer – no self discharge, fast charging
- + Integrated LEDs indicate the load status
- + Wall mountable



#### SPECIFICATIONS

Voltage	48V
Battery rated capacity	2Ah
Charging current	4A
Charger slot	One
Bluetooth	Yes
<b>96 Wh</b>	<b>48 V</b>
Capacity	Charging voltage

**48C2 CHARGER**

ERP: 2911986 | EAN: 6952909076744

- Compatible with all Cramer 48V batteries
- Detachable cord for easy switch between plug types
- LED indicator
- Wall mountable
- Sequentially recharges batteries until fully charged

**SPECIFICATIONS**

Slots	Two
Amps	8A
Weight	0.64 kg
Included plug	UK & EU

**48C CHARGER**

ERP: 2911886 | EAN: 6952909076737

- Compatible with all Cramer 48V batteries
- Detachable cord for easy switch between plug types
- LED indicator
- Wall mountable

**SPECIFICATIONS**

Slots	One
Amps	4A
Weight	0.59 kg
Included plug	UK & EU

**CHARGING TIMES**

PRODUCT		48V96	48V192	48BT170	48BT216
Charger 48C	1 battery	50 min (80 %) 75 min (100 %)	110 min (80 %) 150 min (100 %)	110 min (80 %) 150 min (100 %)	140 min (80 %) 180 min (100 %)
Charger 48C2	1 battery	50 min (80 %) 70 min (100 %)	100 min (80 %) 135 min (100 %)	110 min (80 %) 150 min (100 %)	140 min (80 %) 180 min (100 %)
	2 batteries	100 min (80 %) 140 min (100 %)	200 min (80 %) 270 min (100 %)	220 min (80 %) 300 min (100 %)	280 min (80 %) 360 min (100 %)



## Great endurance and quick recovery

Cramer 48V batteries provide any 48V device with the power you need so that you can always perform, even with the highest loads and harshest conditions. With Cramer's 48V fast-charging devices, your batteries will be fully charged in next to no time. The data shows estimates based on standard applications.

RUNTIME IN MINUTES		48V96	48V192	48BT170	48BT216
■ Recommended batteries					
CATEGORY	PRODUCT/BATTERY	48V96	48V192	48BT170	48BT216
CHAINSAWS	<b>48MCS</b> 	10 minutes/ 45 cuts	20 minutes/ 90 cuts	18 minutes/ 166 cuts	22 minutes/ 205 cuts
	<b>48MCSX</b> 	10 minutes/ 45 cuts	20 minutes/ 90 cuts	16 minutes/ 170 cuts	20 minutes/ 220 cuts
	<b>48CS18</b> 	15 minutes/ 48 cuts	30 minutes/ 96 cuts	11 minutes/ 100 cuts	14 minutes/ 125 cuts
POLE SAW	<b>48PS</b> 	35 minutes/ 49 cuts	70 minutes/ 98 cuts	16 minutes/ 130 cuts	20 minutes/ 165 cuts
	<b>48LM51</b> 	—	22 minutes. 1x battery 44 minutes. 2x batteries	22 minutes 1x battery	28 minutes 1x battery
	<b>48LM48SP</b> 	—	23 minutes. 1x battery 46 minutes. 2x batteries	23 minutes 1x battery	29 minutes 1x battery
LAWN MOWERS	<b>48LM41K4</b> 	14 minutes	28 minutes	28 minutes	35 minutes
	<b>48TB10</b> 	14 minutes	28 minutes	50 minutes	63 minutes
	<b>48T10</b> 	14 minutes	28 minutes	50 minutes	63 minutes
TRIMMERS	<b>48HD66</b> 	60 minutes	120 minutes	180 minutes	220 minutes
	<b>48PH</b> 	60 minutes	120 minutes	122 minutes	150 minutes
BLOWERS	<b>48B800</b> 	7 minutes	14 minutes	High: 21 min Turbo: 14 min	High: 29 min Turbo: 19 min
	<b>48BV800</b> 	7 minutes	14 minutes	Blow: 18 min Suck: 14.5 min	Blow: 23 min Suck: 18 min

Unlike our competitors, we measured full cutting time for our products, which means the products are running under a scenario of full gas all the time without any stops or breaks. All listed runtimes refer to an average runtime in minutes including high and low use.

# Accessories

## Lawn Mower Accessories



MODEL	48LM41K4	48LM48SP	48LM51
ERP	2505686UB	2502886	48LM51A1
Cutting width	41 cm	48 cm	51 cm
Mower blade	2915086	2915286	LM51BLA1
Safety key	2915186	2915386	2915386

## Chainsaw & Polesaw Accessories



MODEL	48CS18	48MCSX	48MCS	48PS
ERP	2000986	2001886	2001386	1401086
Bar length	35 cm	15 cm	15 cm	25 cm
Chain	2907986	2919686	2916486	2906786
Bar	2907186	2919586	2916586	2906686

## Trimmer & Brush Cutter Accessories



MODEL	48TB10	48T10
ERP	2101886	2101786
Spool 2.0 mm 5 m	2914286	2914286
3x spools, 2.0 mm 5 m	2914386	2914386
Spool cover	2914486	2914486
Trimmer head (incl. spool, trimmer line and cover)	2914586	2914586



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