

Innovativeness

- + Temper glass panel, modern design
- + Business use with intelligent App control
- + WiFi Mesh technique, saving cost on wire installation

Secure and Safe

- + RCD Type A and 6mA DC residual current protection
- + MID certified energy meter with accurate measurement

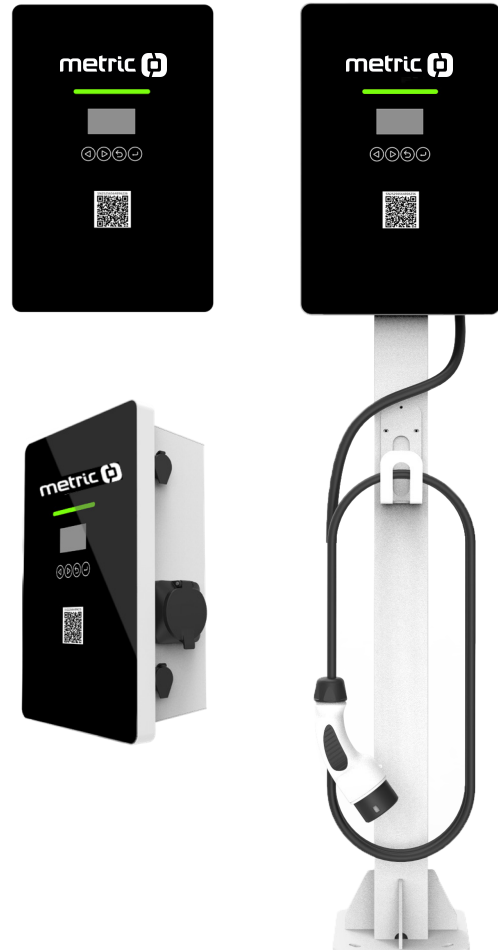
Intelligent Control

- + Wireless communication (Wi-Fi/Bluetooth), Ethernet/4G optional
- + OCPP communication protocol with CMS
- + Intelligent operation by App and cashless payment

Flexible Option

- + Universal Type 2 socket, optional with Type 1/Type 2 charging cable
- + App operation or RFID authentication or plug and play
- + Wall-mount or floor-stand installation


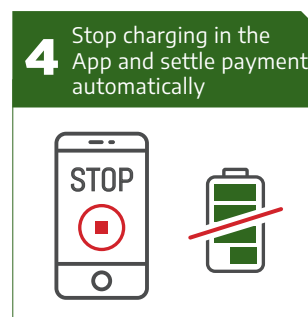
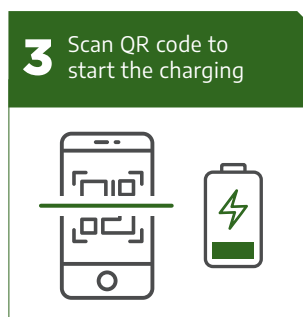
7kW



22kW

DATASHEET	MODEL	AC7000-BE-34	AC022K-BE-34
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	32A	32A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	32A	32A
	Rated Power	7kW	22kW
User Interface	Charge Connector	Type 2 socket	
	Enclosure	Plastic PC940	Galvanized steel
	Front Panel	Temper glass	
	LED Indicator	Green/Yellow/Red	
	LCD Display	2.7" black & white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug&Play/RFID card/App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Ethernet	Optional	
	3G/4G	Optional	
	OCPP	OCPP 1.6 json (OCPP 2.0 optional)	
Safety	Energy Meter	MID certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
	Warranty	3 years	
Environment	Installation	Wall-mount/Pole-mount	
	Work Temperature	-30°-+50°	
	Work Humidity	5%-95%	
	Work Altitude	<2000m	
Package	Product Dimension	356 x 221 x 136mm (H*W*D)	452 x 295 x 148mm (H*W*D)
	Package Dimension	490 x 330 x 210mm (L*W*H)	560 x 380 x 210mm (L*W*H)
	Net Weight	3.4kg	11kg
	Gross Weight	4.2kg	12kg
	External Package	Carton	Carton

1 Download the App and sign up an account

Metric Group Ltd

Metric House, Westmead Drive, Swindon, Wiltshire, SN5 7AD
 Tel: +44 (0)1793 647800
 sales@metricgroup.co.uk
 www.metricgroup.co.uk





TWIN SERIES PEDESTAL

AC014K-BE-24

Innovativeness

- + One charger with two output sockets
- + Business use with intelligent App control
- + Vandal resistant and anti-corrosion

Secure and Safe

- + RCD Type A and 6mA DC residual current protection
- + MID certified energy meter with accurate measurement

Intelligent Control

- + Ethernet/4G/Wi-Fi communication all supported
- + OCPP communication protocol with CMS
- + Intelligent operation by App and cashless payment

Flexible Option

- + App operation or RFID authentication or plug and play
- + Customization with different color painting



Side



Side/Front



Back



DATASHEET	MODEL	AC014K-BE-24	AC044K-BE-24
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	64A	64A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	2x32A	2x32A
	Rated Power	2x7kW	2x22kW
User Interface	Charge Connector	Type 2 cable	
	Enclosure	Galvanized steel	
	Left/Right Panel	Temper glass	
	LED Indicator	Green/Yellow/Red	
	LCD Display	2.7" black & white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug&Play/RFID card/App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Ethernet	Yes	
	3G/4G	Yes	
	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	
Safety	Energy Meter	MID certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
	Warranty	3 years	
Environment	Installation	Floor-stand	
	Work Temperature	-30°C-+50°C	
	Work Humidity	5%-95%	
	Work Altitude	<2000m	
Package	Product Dimension	1200 x 290 x 230mm (H*W*D)	
	Package Dimension	1320 x 480 x 430mm (L*W*H)	
	Net Weight	25.5kg	
	Gross Weight	45kg	
	External Package	Wood case	



Metric Group Ltd

Metric House, Westmead Drive, Swindon, Wiltshire, SN5 7AD

Tel: +44 (0)1793 647800

sales@metricgroup.co.uk

www.metricgroup.co.uk





Easee Charge

Easee Charge maximises the available electrical capacity within the building using dynamic load and phase balancing. The ultimate solution for delivering EV-Charging at scale for workplace, apartment blocks, car parks and fleet.



Why choose Easee Charge?

Innovative commercial charging



Benefits

- Fully dynamic charging power 1.4-22 kW (1 and 3 phase charging)
- Reduces capacity requirements by up to 90 %
- Load balancing of up to 101 chargers per fuse
- Automatic queuing system
- The load and phase balancing works offline
- WiFi connectivity
- Integrated eSIM in each box, lifetime free subscription
- Permanent locking of the Type 2 cable
- Integrated earth fault protection (RCD)
- Integrated RFID reader (NFC / ISO 14443 and MIFARE Classic®)
- Supports whitelisting of RFID tags, approved tags are automatically stored locally in each Charging Robot
- Energy measurement (+/- 2 %), for reading charge consumption
- Developed and manufactured in Norway
- The box is 69% smaller than other solutions and weighs only 1.5 kg
- 3 year warranty, from the day the charger is installed
- Universal, fits all types of electric cars & power supplies
- Full control with the Easee app or local Wifi interface
- You choose the colour

Why choose Easee Charge?

22_{kW}

Full of power

The charger can charge on both 1 and 3 phase and supports charging up to 22 kW. It has a Type 2 standard charging connector.

101_{pcs}

Load balancing

Easee enables load balancing of up to 101 Charging Robots on a single circuit. It can operate both online and offline. Requires WiFi mesh in larger facilities for 100 % operating guarantee.

10_x

Quick charge

With Easee Charge, you can charge up to 10x* faster than with a regular outlet. It charges as quickly as possible with the available capacity and provides you with the highest charging power.

*10 times faster charge requires a 3-phase installation. With 1 phase you will still get 3 times faster charge.

eSIM

Internet access

All our Charging Robots are connected to the internet through mobile network*. If you buy now you get free mobile internet access throughout the lifetime of the product. In order to get software updates and increased redundancy, we recommend installing a local WiFi network, if there is no cellular coverage. The local WiFi network must be connected to the Internet.

*Assuming cellular coverage is available.

69%

Small

The Charging Robot is 69 % smaller and lighter than other electric chargers, with similar functionality. It weighs only 1.5 kg! This means that we save the environment at least 4 kg of copper and plastic per produced charger.

24_{/7}

Always updated

The Charging Robot is updated with new features continuously. This way, you know that you have purchased a safe and future-proof product.

5_x

A colourful choice

We have covers in five different colours; White, Anthracite, Red, Blue and Black. The choice is yours.

3_{yr}

Warranty

We want you as a customer to have confidence that you have bought lasting quality. A product from Easee comes with a 3 year* warranty.

*Some countries may have extended warranty.

Why choose Easee Charge?

Easy to scale

We have made it easy and affordable to invest in modern and forward-looking charging infrastructure. With “Easee Ready” docking station you get a completely EV ready charge point at low cost. By pre-installing the infrastructure within the building, upon demand Easee Charge can subsequently be deployed with our innovative “Plug & Play” technology at no additional installation cost.

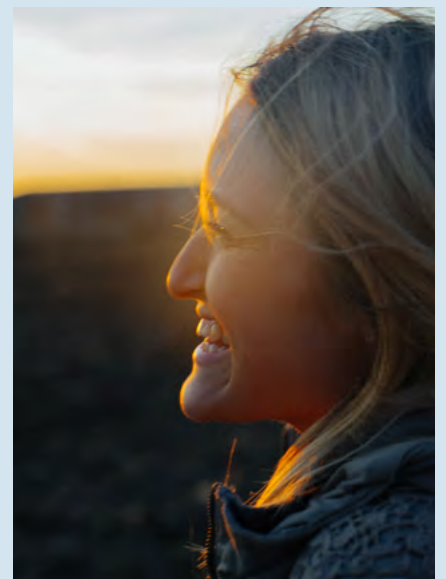
The Charging Robot acts as an intelligent junction box and it supports the expansion of multiple charging stations on the same cable. This allows you to easily scale the system.



Fair charge and cost distribution

The Easee Charge have a fully autonomous load balancing system built-in ensuring that the power draw is evenly balanced. The intelligent queuing system ensures that all cars are charged without overloading the available power supply.

The Easee Charge measures accurate power consumption through its built-in power meters. When a charging station has multiple owners, you keep track of the power consumption of each one, by registering their charge with a RFID chip or through the app.



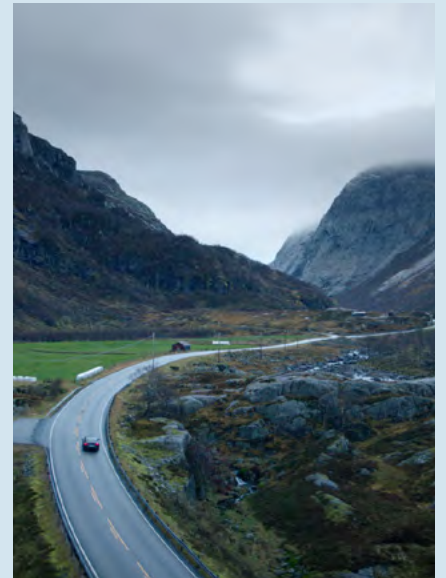
Why choose Easee Charge?

Made in Norway - for Norwegian weather conditions

We develop and manufacture our products in Norway. Our products are developed for being able to withstand harsh environments. Not only is it tough it is also small! Our Charging Robot is 69 % smaller than other EV-chargers. It only weights 1.5 kg. We have strived to contribute to a sustainable future and are saving the enviroment for 4 kg of copper and plastics per produced charger.

The charger thrives just as well on the outside of a house as inside a garage. Its components are of high quality and is composed in a very special way. It is IP54 certified and designed to withstand the Norwegian climate.

We want you as a customer to have confidence that you have bought lasting quality. One product from Easee comes with a 3 year warranty.



Feel safe

We've added 3 extra levels of security, so that we can sleep well at night, knowing that you can do it too. Safety is an important part of the design.

With an Easee Charging Robot you can be assured that charging is done safely. The Charging Robot is designed to the latest standards. In addition, there is built-in electronic earth fault protection that ensures detection of DC and ground faults.

The Charging Robot is also equipped with temperature sensors and protection to prevent overheating. You also don't have to worry about crooks, the charging cable can be permanently locked in the box via the app or the local WiFi interface.



Specifications

Measurement
in mm



Technical

General

Dimension (mm): H: 256 x W: 193 x D: 106
Wall mounting (mm): c/c H: 160 x W: 125
Operating temperature: -30 °C to +50 °C
Weight: 1.5 kg

Charging

Charging power: 1.4–22 kW
6 A 1 phase - 32 A 3 phase (automatically adjusted in relation to available capacity)
Up to 7.36 kW at 32 A 1 phase
Up to 22 kW at 32 A 3 phase (TN grid)
Number of phases: 1 or 3 (fully dynamic)
Connection point: Type-2 socket (IEC 62196-2)
Voltage: 3 x 400 V AC/ 230 V AC (±10 %)
Mains frequency: 50/60 Hz
Load balancing of up to 101 Charging Robots per circuit
Load and phase balancing works offline
Built-in energy meter (±2 %)

Connectivity

Built-in eSIM (LTE Cat M1/ 2G /GPRS)
WiFi 2.4 GHz b/g/n connection
Easee Link RF™
Control charging with the Easee app
RFID/NFC reader
OCPP 1.6 via our API

Sensors and indicators

Light strip showing the status of the charger
Touch button for manual adjustment
Temperature sensors in all main contacts

Colours



Safety

Protection

Built-in RCD for ground fault protection
(30 mA AC/ 6 mA DC)
RCD is automatically reset by disconnecting
the charging cable
Degree of protection: IP54 (the backplate is
IP22 without cover)
Impact resistance: IK10
Fire class: UL94
Insulation class: II
Over voltage category III

Complies with the following regulations

2014/53/EU (RED)
2011/65/EU (RoHS)
2014/30/EU (EMC)
2014/35/EU (LVD)
See DoC for details at easee.support

Theft Protection

Electronics can be deactivated and tracked
in case of theft (contact support if your
device has been stolen).
The electronics can be permanently locked
using a padlock (not visible).
The charging cable can be locked
permanently in the charging station.

Installation

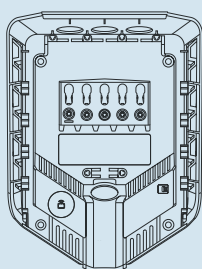
Power grids and fuses

Installation network: TN, IT and TT
(detected automatically)
Installation circuit breaker: Max 80 A
overload protection. The short-circuit current
at the charging point (IkMax) must not
exceed 10 kA. If required by the installation,
class A earth fault protection can be used for
the circuit.

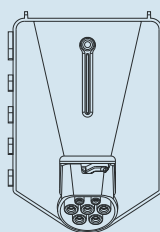
Integrated circuit in backplate

Cable cross-section: up to 16 mm² (single
cable)/ up to 10 mm² (parallel connection)
Cable diameter: 8-22 mm
Terminal tightening: 5 Nm
Cable strip length: 12 mm

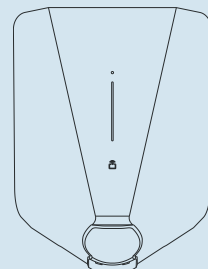
The product contains



Backplate



Chargeberry



Cover



metric

Metric Group Ltd

Metric House, Westmead Drive, Swindon, Wiltshire, SN5 7AD
Tel: +44 (0)1793 647800
sales@metricgroup.co.uk
www.metricgroup.co.uk