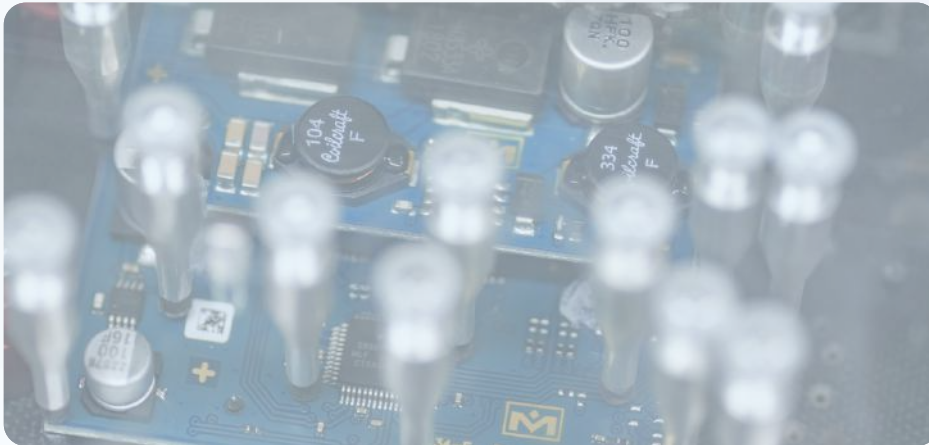




MRS E-MOBILITY

SMART AND RELIABLE EV CHARGING EXPERIENCE

MRS ELECTRONIC



YOUR VISION • OUR TECHNOLOGY

Are you looking for a provider of high-quality vehicle electronics, software services, or EV charging solutions? Well, then we're right on the mark.

MRS Electronic has developed into an international company in recent years. In addition to our headquarters in Germany, we have further locations in the United States, Croatia, Latvia, Poland, Pakistan, and Turkey, as well as a strong partner network. This enables us to support you worldwide.

Our processes, defined in the management system and certified since 2003 (DIN EN ISO 9001) and 2017 (IATF 16949) respectively, are designed for the highest customer satisfaction and product quality. Through our close cooperation with customers and suppliers, we set the standard for high-quality and durable solutions "Made in Germany".

MRS

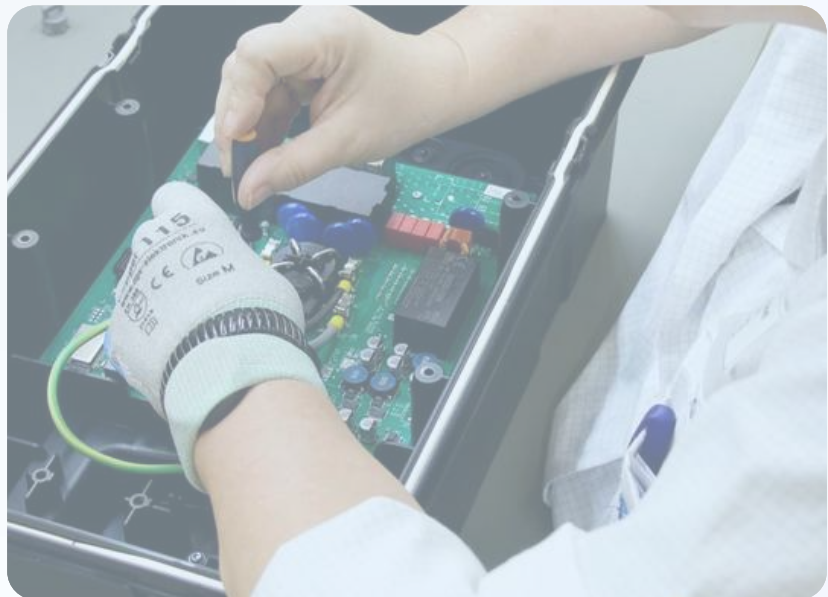
E-MOBILITY

USER-FRIENDLY CHARGING OF E-VEHICLES WITH THE MCHARGER WALLBOX

Electric cars and the charging of these vehicles are becoming increasingly important in the public as well as private sectors. With more than 20 years of experience in the production of smart electronics, we design our solutions for e-mobility to be innovative, robust, and reliable to meet customer needs and technological requirements.

From a simple installation process, user-friendly interface, and IP55 protection class to several user access solutions and online control options. Choose the MCharger model that fits your needs, add our useful accessories, and enjoy the advantages of e-mobility to the fullest!


Made in Germany





MCHARGER HIGHLIGHTS



Charging power up to 22 kW

One to three-phase grid
connection up to 32 A



Easy installation

Only a few screws are needed;
electricity cable input is possible
from three different directions



Color display

Shows charging status, time,
charging power, consumption,
and notifications



IP55 protection

Protected from dust ingress
and water spray



Protected power supply

Robust power pack with internal
protection and filter device



Compliant with

IEC, CE, RoHS, WEEE

**NO MATTER WHICH ELECTRIC CAR YOU PREFER OUR MCHARGER WALLBOX
PROVIDES AN EASY CHARGING EXPERIENCE**

MCHARGER SPECIFICATIONS

ALL THE MCHARGER MODELS ARE AVAILABLE IN 2 VARIANTS - S AND C



S The S variant comes with a built-in type 2 socket.



The C variant has an attached 5 m (standard) or 7.5 m (optional) type 2 charging cable.

C



REGARDLESS OF THE MODEL, ALL MCHARGER WALLBOXES HAVE THE EXACT SAME DIMENSIONS



EASY INSTALLATION



INSTALLATION
VIDEO

1 POWER CABLE INPUT IS POSSIBLE FROM THREE DIFFERENT DIRECTIONS



2 INSTALLATION RAIL

- Attach the installation rail to the wall.
- Put the wallbox on the installation rail.
- Mount the wallbox to the wall.



3 CONNECTION TERMINALS

- 5 connection terminals are provided for connecting the power cable.
- Insert the individual wires of the power cable into the associated terminals.
- Install the top cover and secure it.



COLOR DISPLAY



ALL OUR MCHARGER WALLBOXES ARE EQUIPPED WITH A 2.4-INCH COLOR DISPLAY



CHARGING STATUS

CHARGING POWER

CHARGING TIME

CONSUMPTION

NOTIFICATIONS

MCHARGER EASY



MCHARGER EASY

1. Private use

The Easy model is designed for single-household use. Just plug in and charge; no user management is available for this model.

2. Reliable and durable

The MCharger Easy can be used both indoors and outdoors. The robust housing has an IP55 protection class and is thus optimally protected against contact and spray water, dust, hot and cold weather conditions.

3. Convenient to use

The Easy model offers a simple but effective charging solution for your household. Depending on your car or house grid capabilities, you can choose between two available power options - 11 kW or 22 kW.



-25°C +60°C



IP55 Protection



11 kW or 22 kW

	Easy C 11 kW w/cable 5 m	Easy C 11 kW w/cable 7.5 m	Easy S 11 kW w/socket	Easy C 22 kW w/cable 5 m	Easy C 22 kW w/cable 7.5 m	Easy S 22 kW w/socket
Part number	1.801.000	1.801.020	1.801.010	1.801.001	1.801.021	1.801.011
Charging power	11 kW			22 kW		
Rated current	16 A			32 A		
Input voltage	230 V (1 ph) / 400 V (3 ph) AC					
Mains frequency	50 Hz					
Connection	Type 2					
Housing dimensions	266 x 411 x 137 (W x H x D in mm)					
IP protection class	IP55					
Operating temperature	-25 °C to +60 °C					

MCHARGER CONNECTED **HIGHLIGHTS**



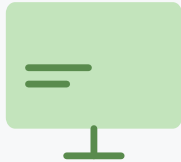
RFID authentication



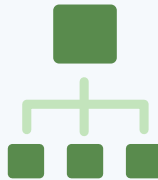
**User management
with charging history**



**WiFi and LAN
connection**



Management platform



**Load balancing incl.
prioritization**



**Static power limitation
(charging schedule)**



MCHARGER CONNECTED

MCHARGER CONNECTED

1. Private & semi-public use

The MCharger Connected is an advanced model with user authentication and load balancing for use by multiple consumers.

2. RFID authentication & user management

The Connected model provides user management with up to 128 user accounts with 2 RFID cards per user. You can see each user's charging patterns, get a full overview of the charging history, and export it as a PDF file.






3. Load balancing & power limitation

The static load balancing feature of the MCharger Connected divides the available power across multiple wallboxes according to your settings. Furthermore, you can either have a permanent power limitation setting or define a time-dependent performance restriction.

4. Solar interface

The solar interface of this model allows you to connect the wallbox with your solar system. You need an additional two-way smart meter to ensure communication between the two devices.



 -25°C +60°C		Connected C 22 kW w/cable 5 m	Connected C 22 kW w/cable 7.5 m	Connected S 22 kW w/socket
 IP55 Protection	Part number	1.801.101	1.801.121	1.801.111
 RFID authentication	Max. charging power	22 kW		
 User management with charging history	Rated current	32 A		
 Load balancing incl. prioritization	Input voltage	230 V (1 ph) / 400 V (3 ph) AC		
	Mains frequency	50 Hz		
	Connection	Type 2		
	Housing dimensions	266 x 411 x 137 (W x H x D in mm)		
	IP protection class	IP55		
	Operating temperature	-25 °C to +60 °C		
	Ocpp	✓		
	Solar interface	✓		

MCHARGER ENERGY HIGHLIGHTS



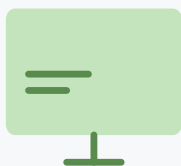
RFID authentication



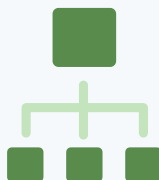
**User management
with charging history**



**WiFi and LAN
connection**



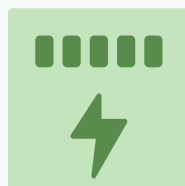
Management platform



**Load balancing incl.
prioritization**



**Static power limitation
(charging schedule)**



MID energy meter



MCHARGER ENERGY

MCHARGER ENERGY

1. Public use

For public charging, MCharger Energy is the right choice. Regardless of whether it is corporate billing or integration into a Charging Point Management System (CPMS), this model offers the necessary billable measurements.

2. OCPP

Like the MCharger Connected, the MCharger Energy can be integrated into the CPMS via OCPP v1.6j. When the wallbox is integrated into such a backend system, all settings and billing are managed via the CPMS.



3. MID energy meter

The MCharger Energy is equipped with a certified built-in MID energy meter to ensure the exact measurements for billing. You can read the measurements easily in the bottom left corner of the wallbox.



-25°C +60°C



IP55 Protection



RFID authentication



User management
with charging history



Load balancing incl.
prioritization



MID energy meter

	Energy C 22 kW w/cable 5 m	Energy C 22 kW w/cable 7.5 m	Energy S 22 kW w/socket
Part number	1.801.501	1.801.521	1.801.511
Max. charging power	22 kW		
Rated current	32 A		
Input voltage	230 V (1 ph) / 400 V (3 ph) AC		
Mains frequency	50 Hz		
Connection	Type 2		
Housing dimensions	266 x 411 x 137 (W x H x D in mm)		
IP protection class	IP55		
Operating temperature	-25 °C to +60 °C		
OCPP	✓		
Solar interface	✓		
MID energy meter	✓		

MANAGEMENT PLATFORM

MCHARGER **CONNECTED** & MCHARGER **ENERGY**



SET-UP VIDEO



CONNECT • MANAGE • OPTIMIZE

The MRS e-mobility software is a user-friendly integrated platform that offers operational efficiency, reliability, and access to all the required features for EV charging management.

The easy-to-use MCharger management platform allows you to access, manage, and optimize your EV charging process in one place.

MCHARGER CUSTOMIZATION



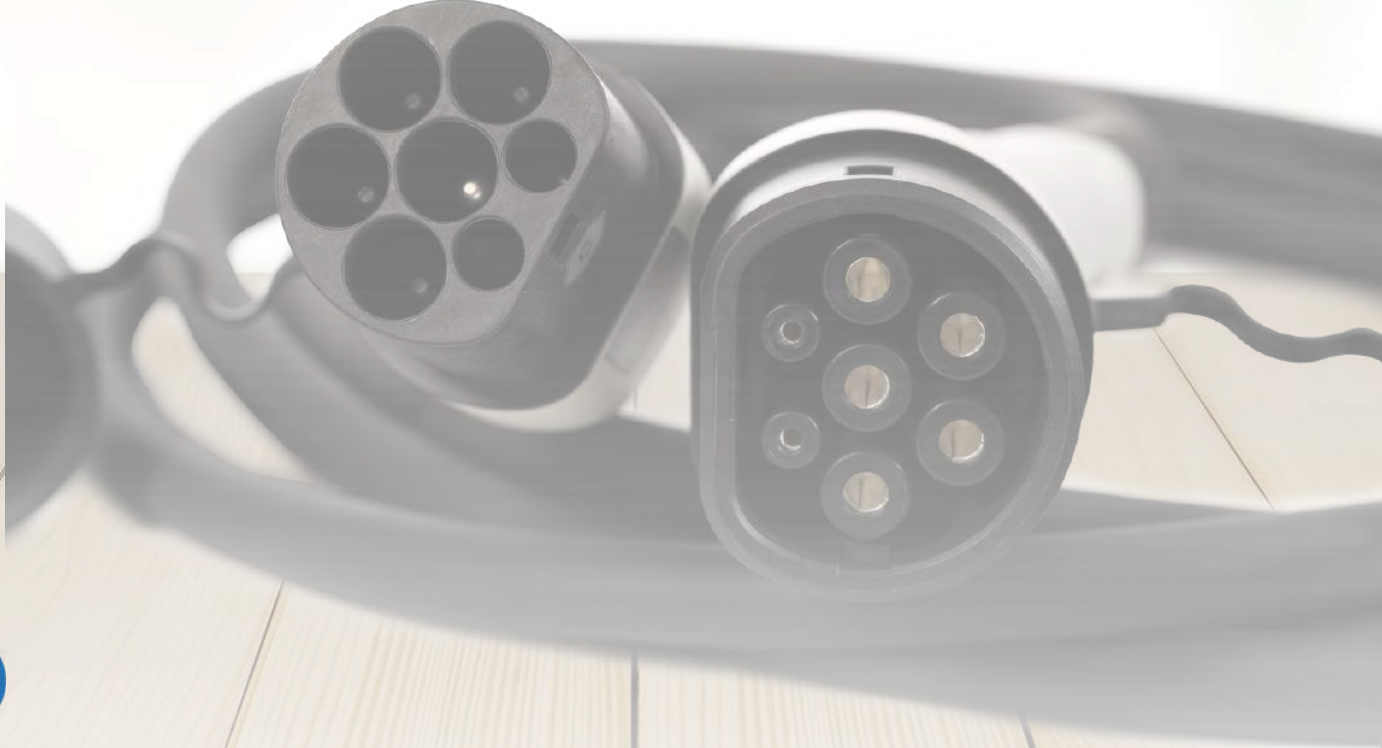
BE CREATIVE • CUSTOMIZE

As well as our standard front design, we also offer the possibility to customize your MCharger with an individual design. This is intended for business customers who want to use the MCharger as an advertising space or for private individuals who want to give their wallbox a personal touch.

You can use one of our designs, or we can create a completely new one for you. We are happy to support you in this. If an individual design is desired, please mention it in the order notes.



MCHARGER ACCESSORIES



MCHARGER ACCESSORIES



TYPE 2 CHARGING CABLE (11 kW or 22 kW)

If your EV is not equipped with a charging cable, or you have lost or damaged it, there is a type 2 charging cable you can purchase separately.



CHARGING CABLE PLUG HOLDER

Designed for type 2 charging cable. Mount the holder to the surface with 3 screws to conveniently hold your charging cable plug.



RFID CARD

Additional RFID card for user authentication for the MCharger Connected and MCharger Energy variants.



METAL POLE

We offer our customers a safe, secure, and durable pole for mounting their charging wallbox.



MCHARGER DATASHEET

	Easy C 11 kW w/cable 5 m	Easy C 11 kW w/cable 7.5 m	Easy S 11 kW w/socket	Easy C 22 kW w/cable 5 m	Easy C 22 kW w/cable 7.5 m	Easy S 22 kW w/socket
Part number	1.801.000	1.801.020	1.801.010	1.801.001	1.801.021	1.801.011
Charging power	11 kW			22 kW		
Rated current	16 A			32 A		
Installation cable	Min. 2.5 mm²			Min. 6 mm²		
Input voltage	230 V (1 ph) / 400 V (3 ph) AC					
Mains frequency	50 Hz					
Connection	Type 2					
Charging mode	3					
Net weight	5.2 kg	6.3 kg	3.0 kg	6.3 kg	8.0 kg	3.0 kg
Housing dimensions	266 x 411 x 137 (W x H x D in mm)					
Cable entry	Top, bottom, rear					
IP protection class	IP55					
Mechanical impact class	IK08					
Surge protection 61010-1	CAT III					
IEC protection class	I					
Operating temperature	-25 °C to +60 °C					
Max. humidity	95 %					
Max. altitude	2000 m					
Certifications	CE • RoHS • REACH • IEC 6100-6-1/61000-6-3 • IEC 61851-10 • IEC 62196 • IEC 62955					
2.4-inch color display	✓					
Acoustic error warning	✓					
DC fault detection 6 mA DC	✓					
RFID reader	✗					
User management	✗					
Load balancing	✗					
Power limitation	✗					
OCPP	✗					
Solar interface	✗					
MID energy meter	✗					

	Connected C 22 kW w/cable 5 m	Connected C 22 kW w/cable 7.5 m	Connected S 22 kW w/socket	Energy C 22 kW w/cable 5 m	Energy C 22 kW w/cable 7.5 m	Energy S 22 kW w/socket
Part number	1.801.101	1.801.121	1.801.111	1.801.301	1.801.321	1.801.311
Charging power	22 kW					
Rated current	32 A					
Installation cable	Min. 6 mm ²					
Input voltage	230 V (1 ph) / 400 V (3 ph) AC					
Mains frequency	50 Hz					
Connection	Type 2					
Charging mode	3					
Net weight	6.3 kg	8.0 kg	3.0 kg	8.2 kg	9.3 kg	4.7 kg
Housing dimensions	266 x 411 x 137 (W x H x D in mm)					
Cable entry	Top, bottom, rear					
IP protection class	IP55					
Mechanical impact class	IK08					
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Certifications	CE • RoHS • REACH • IEC 6100-6-1/61000-6-3 • IEC 61851-10 • IEC 62196 • IEC 62955					
2.4-inch color display	✓					
Acoustic error warning	✓					
DC fault detection 6 mA DC	✓					
RFID reader	✓					
User management	✓					
Load balancing	✓					
Power limitation	✓					
Ocpp	✓					
Solar interface	✓					
MID energy meter	✗			✓		

MCHARGER DATASHEET





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