

# MRS E-Mobility Products



# MCharger



No matter which electric car you preferour MCharger wallbox provides an easy charging experience.

From simple installation process, user friendly interface, IP54 protection class, to several user access solutions and online control options. Choose the MCharger model that fits your needs, add our smartly designed accessories and enjoy the advantages of e-mobility to the fullest!

More than 20 years of expertise in smart electronics production has led MRS to designing its e-mobility solutions that are innovative, reliable and meet the needs of today's customers.

## Highlights



Charging Power up to 22 kW One to three phase grid connection up to 32 A



#### Easy Installation

Only few screws needed, electricity cable input possible from three different directions



### Color Display

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



### IP54 Protection Protected from dust ingress and water spray



Protected Power Supply Robust power pack with internal protection and filter device

441 mm



Certified CE, RoHS, WEEE, IEC



137 mm



# **MCharger Easy**

Simple but effective charger with Type 2 socket or 5 meters long cable with Type 2 plug. There are two available power options (11 kW and 22 kW) to choose from depending on your car or house grid capabilities.

MCharger Easy is designed for single household use. Just plug in and charge, no user management available for this model. All Easy models have a color display showing the charging status, time, power and consumption as well as notifications.





Easy C 11 kW Type 2 charging cable 5m Part no.: 1.801.000

Easy C 22 kW Type 2 charging cable 5m Part no.: 1.801.001

Plug holder is not included and can be ordered separately.



**Easy S 11 kW** Type 2 socket Part no.: 1.801.010

**Easy S 22 kW** Type 2 socket Part no.: 1.801.011

# **MCharger Connected**

A smart charger with user authentication, RFID and load balancing if several chargers are connected in one line. Also allows to adapt the power to the electrical grid conditions. These models are up to 22 kW with Type 2 socket or 5 meters long cable and Type 2 plug. The owner can adjust max charging power in a web application if needed.

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

## Highlights







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#### Connected S 22 kW

Type 2 socket Part no.: 1.801.111

### Connected C 22 kW

Type 2 charging cable 5m Part no.: 1.801.101

# **MCharger Overview**

	Charging Power	Connection Type	Web Platform	User Authentication	Connectivity
<b>Easy S 11 kW</b> Part no.: 1.801.010	11 kW	Socket	-	-	-
Easy C 11 kW Part no.: 1.801.000	11 kW	5 m cable	-	-	-
<b>Easy S 22 kW</b> Part no.: 1.801.011	22 kW	Socket	-	-	-
<b>Easy C 22 kW</b> Part no.: 1.801.001	22 kW	5 m cable	-	-	-
<b>Connected S 22 kW</b> Part no.: 1.801.111	22 kW	Socket	Yes	RFID	Bluetooth, Wifi & LAN
<b>Connected C 22 kW</b> Part no.: 1.801.101	22 kW	5 m cable	Yes	RFID	Bluetooth, Wifi & LAN



# Accessories



### Type 2 charging cable 5 m

An additional type 2 charging cable in case your car was not equipped with one or you have lost or damaged it. Available in the 11 kW and 22 kW variant.

5 m 11 kW Part no.: 1.801.A21

5 m 22 kW Part no.: 1.801.A23

### Type 2 charging cable plug holder

Mount the holder to the surface with 3 screws and conveniently place the charging cable plug.

Part no.: 1.801.A10



# Datasheet

	Easy C 11 kW	Easy S 11 kW
Part number	1.801.000	1.801.010
Max. Charging Power		11 kW
Input Voltage		
Rated current		16 A
Installation cable	Mi	n. 2,5 mm²
Mains frequency		
Connection type	Cable 5 m	Socket
Connector plug		
Charging mode		
Housing dimensions (W x H x D in mm)		
Net weight	5,2 kg	3,0 kg
Cable entry		
IP protection class		
Machanical impact class		
Surge protection 61010-1		
IEC protection class		
Operating temperature		
Max. humidity		
Max. altitude		
Certifications		
2,4 inch color display		
Accoustic error warning		
DC fault detection 6 mA DC		
Loas Balancing		-
RFID reader		-
Power limitation		-
User management		-

Easy C 22 kW         Easy S 22 kW         Connected C 22 kW         Connected S 22 kW           1.801.001         1.801.011         1.801.101         1.801.111           230 V (1 ph) / 400 V (3 ph) AC         22 kW         232 A           230 V (1 ph) / 400 V (3 ph) AC         32 A         1.801.011           32 A         Min. 6 mm <sup>2</sup> 1.801.012         1.801.011           50 Hz         Socket         Cable 5 m         Socket         1.801.012           50 Hz         Socket         Cable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Cable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Cable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Cable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Cable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Gable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Gable 5 m         Socket         1.801.012           10 Cable 5 m         Socket         Gable 5 m         Socket         1.801.012           10 Cable 5 m         Socket						
22 kW         230 V (1 ph) / 400 V (3 ph) AC         32 A         Min. 6 mm <sup>2</sup> 50 Hz         Cable 5 m       Socket         Cable 5 m       Socket         Cable 5 m       Socket         Type 2       Socket         3       Socket         266 x 411 x 137 (W x H x D in mm)       6,3 kg         6,3 kg       3,0 kg         Top, bottom, rear       I         IP54       I         IK08       I         CAT III       I         -25 °C to +40 °C       Sog %         2000 m       C         REACH       I         IEC 6100-6-161000-6-3       IEC 6100-6-3         IEC 6100-6-161000-6-3       IEC 62196         IEC 62196       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I         I       I	Easy C 22 kW	Easy S 22 kW	Connected C 22 kW	Connected S 22 kW		
32 A         Min. 6 mm <sup>2</sup> S0 Hz         S0 Hz         S0 Hz         Cable 5 m         Socket         Type 2         3         266 x 411 x 137 (W x H x D in mm)         6,3 kg       3,0 kg         6,3 kg       3,0 kg         Top, bottom, rear         IP54         IF54         IF56	1.801.001	1.801.011	1.801.101	1.801.111		
32 A         Min. 6 mm²         S0 Hz         S0 Hz         Cable 5 m       Socket         Cable 5 m       Socket         Type 2         3         S6 x 411 x 137 (W x H x D in mm)         6.3 kg       3.0 kg         6.3 kg       3.0 kg         fop, bottom, rear         IP54         K08         CAT III         IK08         CAT III         -25 °C to +40 °C         95 %         2000 m         CE         REACH         IEC 68351-10         IEC 68351-10         IEC 68351-10         IEC 68351-10         IEC 68351-10         IEC 662955		'	22 kW			
Min. 6 mm²         50 Hz       Cable 5 m       Socket       Cable 5 m       Socket         Type 2       3       Socket       Cable 5 m       Socket       Socket         266 x 411 x 137 (W x H x D in mm)       6.3 kg       3,0 kg       6.3 kg       3,0 kg       Socket         266 x 411 x 137 (W x H x D in mm)       I <t< td=""><td>230 V (1 ph) / 400 V (3</td><td>ph) AC</td><td></td><td></td></t<>	230 V (1 ph) / 400 V (3	ph) AC				
50 Hz         Cable 5 m         Socket         Cable 5 m         Socket           Type 2         3         3         Socket         Socket         Socket           266 x 411 x 137 (W x H x D in mm)         6.3 kg         3,0 kg         6.3 kg         3,0 kg         Socket           1         In the second secon			32 A			
Cable 5 m         Socket         Cable 5 m         Socket           Type 2         3         3         5         <		Μ	in. 6 mm²			
Type 2       3         266 x 411 x 137 (W x H x D in mm)       6.3 kg       3,0 kg         6,3 kg       3,0 kg       6.3 kg       3,0 kg         100, bottom, rear       1       1       1         1       1       1       1         -25 °C to +40 °C       95 %       2000 m       1         2000 m       CE       ROHS       REACH       1         1EC 6100-6-31       1EC 61851-10       1       1         1EC 62955	50 Hz					
3 266 x 411 x 137 (W x H x D in mm) 6,3 kg 3,0 kg 6,3 kg 3,0 kg Top, bottom, rear IP54 IP54 IK08 CAT III I -25 °C to +40 °C 95 % 2000 m CE ROHS REACH IEC 6100-6-1/61000-6-3 IEC 61851-10 IEC 62196 IEC 62	Cable 5 m	Socket	Cable 5 m	Socket		
266 x 411 x 137 (W x H x D in mm)       6.3 kg       3,0 kg       6.3 kg       3,0 kg         6,3 kg       3,0 kg       6.3 kg       3,0 kg       6.3 kg       3,0 kg         Top, bottom, rear         IP54         IP54         IK08         CAT III         I         I         I         I         I         I         I         I         I         I         IIII         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Type 2					
6,3 kg       3,0 kg       6,3 kg       3,0 kg         Top, bottom, rear         IP54         IP54         IK08         CAT III         -25 °C to +40 °C         -25 °C to +40 °C         2000 m         CE         ROHS         REACH         IEC 6100-6-3       IEC 61851-10         IEC 62196       IEC 62955         IEC 61851-10         IEC 62196       IEC 62965         IEC 61851-10         IEC 62196       IEC 62196         IEC 62196       IEC 62196         IEC 62196       IEC 62196         IEC 61851-10         IEC 62196       IEC 62196         IEC 61851-10       IEC 62196         IEC 62196       IEC 62196         IEC 61851-10       IEC 62196         IEC 61851-10       IEC 62196         IEC 61851-10       IEC 62196         IEC 6100-1       IEC 62196         IEC 6100-1       IEC 62196         IEC 6100-1       IEC 62196         IEC 6100-1       IEC 62196         IEC	3					
Top, bottom, rear       I         IP54       IK08         CAT III       I         1       -25 °C to +40 °C         95 %       2000 m         2000 m       CE         ROHS       REACH         IEC 6100-6-1/61000-6-3       IEC 61851-10         IEC 62196       IEC 62955         ✓       ✓						
IP54       I         IK08       CAT III         I       -25 °C to +40 °C         -25 °C to +40 °C       95 %         2000 m       C         ROHS       REACH         IEC 6100-6-1/61000-6-3       IEC 61851-10         IEC 61851-10       IEC 62955         ✓       ✓ <t< td=""><td>6,3 kg</td><td>3,0 kg</td><td>6,3 kg</td><td>3,0 kg</td></t<>	6,3 kg	3,0 kg	6,3 kg	3,0 kg		
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CAT III  I I -25 °C to +40 °C 95 % 2000 m CE RoHS REACH IEC 6100-6-1/61000-6-3 IEC 61851-10 IEC 62196 IEC 62955  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓						
I       -25 °C to +40 °C         95 %       2000 m         2000 m       CE         RoHS       REACH         IEC 6100-6-1/61000-6-3       IEC 61851-10         IEC 61851-10       IEC 62955         ✓       ✓						
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95 % 2000 m CE RoHS REACH IEC 6100-6-1/61000-6-3 IEC 61851-10 IEC 62196 IEC 62955						
2000 m CE RoHS REACH IEC 6100-6-1/61000-6-3 IEC 61851-10 IEC 62196 IEC 62955						
CE       RoHS         REACH       IEC 6100-6-1/61000-6-3         IEC 61851-10       IEC 62955         IEC 62955          ✓						
RoHS REACH         IEC 6100-6-1/61000-6-3 IEC 61851-10 IEC 62196 IEC 62955         ✓						
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				✓		

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