20 years of creating a better future

MOREK

EVC range up to

180kW

Get electric cars charged easily and quickly

Morek EV charging products

ev.morek.eu

Get electric cars charged easily and quickly

Creating a better future for You

Morek eMobility AC chargers come in different versions and they are compatible with all electric car models.

Not just for private use - find a suitable model and service for an apartment building, parking lot, commercial building, etc.

One-man installation reduces the time and cost of installation

The installation process is simplified for maximum efficiency. The charger comes with a pre-set configuration and easy access to the setting shortens the setup time.

Different authorization modes support several use cases

Different modes of authentication support several use cases based on project requirements. The LCD display on the charger is easy to read and can be used in all locations - no translation to the local language is needed.
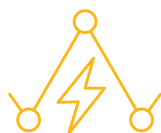
Built-in protection against grid overload

With both RCD and DC leakage built into the charging station, there is no need for additional rail space in the electrical cabinet, and the comprehensive detection capability for various residual fault currents is provided.

An agile e-mobility system, as you need it

Use it at home, apartment building, or work. Charge and share chargings. Perfect for public charging with charge point management & payment platform.

Easy-to-use public charging solution

Intuitive and easy–to–use tool for all EV drivers. Simplicity, speed, and clarity. No APP, no registration – everyone can charge right now, including aliens. Just scan the QR code, pay and charge.

MOREK

Manage chargings the easy, effective, and versatile way

Manage electric car charging locally or in various locations across Europe from one system.

Morek AC chargers can be installed either on a wall or pole which enables infrastructure planning for indoor or outdoor parking spaces more flexible.

Morek **Finland**

Morek **Estonia**

Morek **Latvia**

Morek **Lithuania**

Morek **Poland**

Morek **Czech Republic**

Morek **Slovakia**

Morek **France**

Morek **Bulgaria**

Morek **Portugal**

Industry Expertise

Morek brings extensive experience in the electrical industry, understanding the challenges customers face daily. This expertise allows us to offer targeted solutions that effectively solve problems, saving you time and money.

Customer-Centric Approach

Our primary focus is on helping customers succeed. By eliminating obstacles and providing efficient solutions, we aim to create a better future for you, enabling you to dedicate your time to more important tasks.

Comprehensive Product Portfolio.

Morek offers a tailored product portfolio that covers all your needs for managing electrical cabinet connections. With our complete solution, you no longer have to waste time searching for products from multiple suppliers.

Innovative Solutions

We pride ourselves on providing smart and innovative technical solutions. Our products are designed to simplify complex technical issues in a simple and elegant manner. Additionally, they can optimize space within enclosures and replace costly alternatives while enhancing technical functionality.

ElecZap Business Tools

ElecZap complements Morek's offerings by providing essential tools to simplify your everyday business operations. With features like centralized supplier management, easy access to order documents, project management, order tracking, and standardized product data, ElecZap streamlines your processes and enhances efficiency.

Technical Database and Quality Commitment

By offering a full technical database, catering to your technical and administrative needs, and ensuring the highest quality standards, Morek is committed to providing you with a seamless experience and effective solutions for your electrical challenges.

Not just for private use - find a suitable model and service for an apartment building, parking lot, commercial building, etc.

Smart charge (WiFi, LAN, and/or optional 4G)
Use it at a private house, apartment building, or work. Charge and share chargings.
Perfect for public charging with Powered by Vonktech charge point & payment platform.

Plug & charge
For private use. No internet connection and smart features. Just plug & charge.

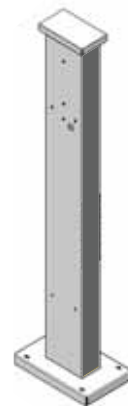**DC Fast charging**
60 – 180 kW

DC Fast charging
30 & 40 kW

AC charging
7,4 – 22 kW

Charging adapters
3,6 – 22 kW

Charging cables
Phoenix Contact 16 – 32 A

Accessories
For installation

Morek's electric car chargers solve all stages of creating an electric car charging point quickly - from delivery to ease of use for the end user.

For installer and developer
a well-thought-out solution for quick and affordable installation.

For the property owner and manager
the option of public charging helps to recoup the investment.

For the end-user
it is easy for everyone to charge the EV.

Manage chargings the easy, effective way

- Intelligent chargers are suitable for every electric car
- With informative LCD display and cable
- Load management (DLM) capability
- Network connection via LAN, 4G or WiFi
- Ready to connect with any background system
- Smart charging with an APP or RFID card
- Easy to install

The installation process is simplified for maximum efficiency. The charger comes with a preset configuration and easy access with the Morek EV Tool APP to reduce setup time.

Public charging

- *Quick and affordable deployment*
- *All locations in one system*
- *No end-user app download*
- *No end-user account registration*
- *Support*
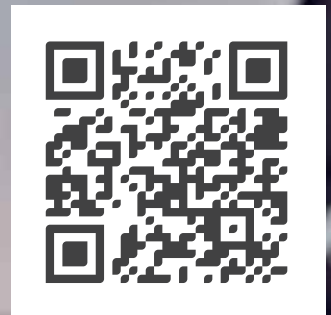
Just Scan 'n Charge! →

- *DC 120/180 kW fast charger*
- *7" LCD display*
- *LAN, 4G, RFID*
- *4,5m cables*
- *2 CCS2 connectors*

Product ID **120 kW**   MEV120DRENG4CCS
Product ID **180 kW**   MEV180DRENG4CCS

Charging mode	Level 3
Connector type	CCS2 connectors with 4,5m cable
Number of connectors	2 (CCS2 + CCS2)
Charging control	APP, QR Code (optional), RFID
Internet connection	Ethernet / 4G
IP protection	IP54
Impact strength	IK10
Display	7-inch touch LCD
SOC State Display	Available
Communication protocol	OCPP1.6J (OCPP2.0 ready)
Power Distribution	Yes
Reports	Full OCPP support
Certificate	**CE certified**
Standard	IEC61851-1 / IEC62196-3
Casing material	Aluminium
Cooling method	Forced Air Cooling
Power network configuration	TN-S / TN-C / TN-C-S / TT
Peak efficiency	>95%
Power meters	Yes
AC power Input rating	AC 400 V (AC 323 V ~ AC 437 V)
Noise	**≤60 dB**
Standby Power	**≤99 W**
Input current	194 A (0 ~ 228 A) / 291 A (0 ~ 342 A)
Output power	**120 kW (max) / 180 kW (max)**
DC output voltage range	150 V ~ 1000 V DC
DC output current	0 ~ 200 A
Power Limiting	Available
Storage temperature	-40 to 70°C ambient
Operating temperature	-25 to 55°C ambient
Operating humidity	5%~95% (no condensation)
Altitude	**≤2000m**
Electrical protection	Input Over/UnderVoltage Protection, Output Over Voltage Protection, Short-Circuit Protection, Over Current Protection
Dimensions mm	**1700 (h) x800 (w) x600 (d)**
Weight kg	310 / 355

Morek EV 120 & 180 kW fast charger

Safe, reliable and efficient charging service while monitoring real-time charging status and progress.

Scan for more

More information about Morek EV chargers and discussions about EV user cases can be found from

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- *DC 60 kW fast charger*
- *7" LCD display*
- *LAN, 4G, RFID*
- *4,5m cables*
- *2 CCS2 connectors*

Product ID	MEV60DRENG4CCS
Charging mode	Level 3
Connector type	CCS2 connectors with 4,5m cable
Number of connectors	2 (CCS2 + CCS2)
Charging control	APP, QR Code (optional), RFID
Internet connection	Ethernet / 4G
IP protection	IP54
Impact strength	IK10
Display	7-inch touch LCD
SOC State Display	Available
Communication protocol	OCPP1.6J (OCPP2.0 ready)
Power Distribution	Yes
Reports	Full OCPP support
Certificate	CE certified
Standard	IEC61851-1 / IEC62196-3
Casing material	Aluminium
Cooling method	Forced Air Cooling
Power network configuration	TN-S / TN-C / TN-C-S / TT
Peak efficiency	>95%
Power meters	Yes
AC power Input rating	AC 400 V (AC 323 V ~ AC 437 V)
Noise	≤60dB
Standby Power	≤75W
Input current	97A (0~114A)
Output power	60 kW (max)
DC output voltage range	150 V ~ 1000 V DC
DC output current	0 ~ 200 A
Power Limiting	Available
Storage temperature	-40 to 70°C ambient
Operating temperature	-25 to 55°C ambient
Operating humidity	5%~95% (no condensation)
Altitude	≤2000m
Electrical protection	Input Over/UnderVoltage Protection, Output Over Voltage Protection, Short-Circuit Protection, Over Current Protection
Dimensions mm	1550 (h) x700 (w) x400 (d)
Weight kg	190

Morek EV 60 kW fast charger

Safe, reliable and efficient charging service while monitoring real-time charging status and progress.

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Creating a better future for You

- *DC 40 kW fast charger*
- *5" LCD display*
- *LAN, 4G, RFID*
- *5m cables*
- *2 CCS2 connectors*

Product ID	MEV40DRENG4CCS
Charging mode	Level 3
Connector type	CCS2 connector with 5m cable
Number of connectors	2 (CCS2)
Charging control	APP, QR Code (optional), RFID
Internet connection	Ethernet / 4G
IP protection	IP54
Impact strength	IK10
Display	5-inch touch LCD
Communication protocol	OCPP1.6J
Power Distribution	Yes
Reports	OCPP reporting
Certificate	**CE certified**
Standard	IEC61851, IEC62196, ISO15118 DIN70121 EN61000-6-4 2007, EN61000-6-2 2005
Casing material	Galvanized iron
Cooling method	Smart air cooling
Power network configuration	TN-S / TN-C / TN-C-S / TT
Peak efficiency	>95%
Power meters	Yes
AC power Input rating	AC 400 V (AC 323 V ~ AC 437 V)
Mounting	Wall-mounted
Standby Power	**≤99 W**
Input current	0 ~ 65 A
Output power	40 kW (max)
DC output voltage range	150 V ~ 1000 V DC
DC output current	0 ~ 80 A
Power Limiting	Available
Storage temperature	-40 to 80°C ambient
Operating temperature	-30 to 55°C ambient
Grid frequency	50Hz ± 1Hz
Altitude	**≤2000m**
Electrical protection	Input Over/UnderVoltage Protection, Output Over Voltage Protection, Short-Circuit Protection, Over Current Protection
Dimensions mm	770 (h) x560 (w) x270 (d)
Weight kg	75

Morek EV 40 kW fast charger

Safe, reliable and efficient charging service while monitoring real-time charging status and progress.

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MOREK

- *DC 30 kW fast charger*
- *7" LCD display*
- *LAN, 4G, RFID*
- *5m cables*
- *CCS2 connector*

Product ID	MEV30DRENG4CCS
Charging mode	Level 3
Connector type	CCS2 connector with 5m cable
Number of connectors	1 (CCS2)
Charging control	APP, QR Code (optional), RFID
Internet connection	Ethernet / 4G
IP protection	IP54
Impact strength	IK10
Display	7-inch touch LCD
Communication protocol	OCPP1.6J
Power Distribution	Yes
Reports	OCPP reporting
Certificate	**CE certified**
Standard	ISO15118/DIN70121, IEC61851 IEC62196
Casing material	Galvanized iron
Cooling method	Smart air cooling
Power network configuration	TN-S / TN-C / TN-C-S / TT
Peak efficiency	>95%
Power meters	Yes
AC power Input rating	AC 400 V (AC 323 V ~ AC 437 V)
Mounting	Wall-mounted
Standby Power	**≤99 W**
Input current	0 ~ 48 A
Output power	30 kW (max)
DC output voltage range	200 V ~ 1000 V DC
DC output current	0 ~ 80 A
Power Limiting	Available
Storage temperature	-40 to 80°C ambient
Operating temperature	-30 to 50°C ambient
Grid frequency	50Hz / 60Hz ± 1Hz
Altitude	**≤2000m**
Electrical protection	Overvoltage, undervoltage protection, lightning protection, phase loss detection
Dimensions mm	670 (h) x460 (w) x270 (d)
Weight kg	55

Morek EV 30 kW fast charger

Safe, reliable and efficient charging service while monitoring real-time charging status and progress.

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Creating a better future for You

- *EV 11 kW network charger*
- *3.8" LCD display*
- *WiFi, LAN, RFID*
- *6,5 m cable*
- *Type 2 connector*

Product ID	MEV11DREW6T2
Charging mode	Level 2
Connector type	Type 2 connector with 6,5 m cable
Charging control	Plug-and-Charge, Start/stop touch button, RFID Card, Configuration BT APP, Web app
Internet connection	Wi-Fi / LAN
External communication	RS485
IP protection	IP55
Impact strength	IK08
Display	LCD 3.8''
LED indicator	No
Communication protocol	OCPP
Background functions	OCPP 1.6, OCPP 1.6J
Reports	Full OCPP support, upgradable
Standard and CE certificate	CE & TUV certified
Leakage protection	TypeB (AC30mB + DC6mA)
Mounting	Wall / Stand
Stand / ground mount	Available, not included
Cooling method	Natural Cooling
Power network configuration	TN / TT -> (3P+N+PE), TN / TT -> (1P+N+PE)
Efficiency	>99%
Power meter	OCPP integrated
AC power Input rating	3-phase 400V±20% / 1-phase 230V±20%
Rated frequency	50/60 Hz
Input current	32 A / 16 A
Output power	11 kW/ 7.4 kW
DLM function	Available, not included
Storage temperature	-40 to 75°C ambient
Operating temperature	-30 to 55°C ambient
Operating humidity	Up to 95% non-condensing
Altitude	≤2000m
Electrical protection	Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection, Surge Protection
Dimensions mm	455 (h) x260 (w) x150 (d)
Weight kg	4,5

Morek EV 11 kW smart charger

Use it at home, apartment building, or work. Charge and share chargings.

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More information about Morek EV chargers and discussions about EV user cases can be found from

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- *EV 22 kW network charger*
- *3.8" LCD display*
- *WiFi, LAN, RFID*
- *6,5 m cable*
- *Type 2 connector*

Product ID	MEV22DREW6T2
Charging mode	Level 2
Connector type	Type 2 connector with 6,5 m cable
Charging control	"Plug-and-Charge, Start/stop touch button, RFID Card, Configuration BT APP, Web app
Internet connection	Wi-Fi / LAN
External communication	RS485
IP protection	IP55
Impact strength	IK08
Display	LCD 3.8''
LED indicator	No
Communication protocol	OCPP
Background functions	OCPP 1.6, OCPP 1.6J
Reports	Full OCPP support, upgradable
Standard and CE certificate	CE & TUV certified
Leakage protection	TypeB (AC30mA + DC6mA)
Mounting	Wall / Stand
Stand / ground mount	Available, not included
Cooling method	Natural Cooling
Power network configuration	TN / TT -> (3P+N+PE), TN / TT -> (1P+N+PE)
Efficiency	>99%
Power meter	OCPP integrated
AC power Input rating	3-phase 400V±20% / 1-phase 230V±20%
Rated frequency	50/60 Hz
Input current	32 A / 16 A
Output power	22 kW/ 11 kW/ 7.4 kW
DLM function	Available, not included
Storage temperature	-40 to 75°C ambient
Operating temperature	-30 to 55°C ambient
Operating humidity	Up to 95% non-condensing
Altitude	≤2000m
Electrical protection	Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection, Surge Protection
Dimensions mm	455 (h) x260 (w) x150 (d)
Weight kg	5,9

Morek EV 22 kW smart charger

Use it at home, apartment building, or work. Perfect for public charging with Powered by Vonktech charge point & payment platform.

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Creating a better future for You

- *EV 22 kW network charger*
- *3.8" LCD display*
- *WiFi, LAN, RFID*
- *Type 2 socket*

Product ID	MEV22DREWNNT2
Charging mode	Level 2
Connector type	Type 2 socket
Charging control	Plug-and-Charge, Start/stop touch button, RFID Card, Configuration BT APP, Web app
Internet connection	Wi-Fi / LAN
External communication	RS485
IP protection	IP55
Impact strength	IK08
Display	LCD 3.8''
LED indicator	No
Communication protocol	OCPP
Background functions	OCPP 1.6, OCPP 1.6J
Reports	Full OCPP support, upgradable
Standard and certificate	CE & TUV certified
Leakage protection	TypeB (AC30mA + DC6mA)
Mounting	Wall / Stand
Stand / ground mount	Available, not included
Cooling method	Natural Cooling
Power network configuration	TN / TT -> (3P+N+PE), TN / TT -> (1P+N+PE)
Efficiency	>99%
Power meter	OCPP integrated
AC power Input rating	3-phase 400V±20% / 1-phase 230V±20%
Rated frequency	50/60 Hz
Output current	32 A / 16 A
Output power	22 kW/ 11 kW/ 7.4 kW
DLM function	Available, not included
Storage temperature	-40 to 75°C ambient
Operating temperature	-30 to 55°C ambient
Operating humidity	Up to 95% non-condensing
Altitude	≤2000m
Electrical protection	Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection, Surge Protection
Dimensions mm	455 (h) x260 (w) x150 (d)
Weight kg	2,5
Warranty	24 months

Morek EV 22 kW smart charger

Use it at home, apartment building, or work. Perfect for public charging with Powered by Vonktech charge point & payment platform.

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- *EV 7,4 kW charger*
- *LED indicator*
- *6,5 m cable*
- *Type 2 connector*

Product ID	MEV07NNNN6T2
Charging mode	Level 2
Connector type	Type 2 connector with 6,5 m cable
Charging control	Plug-and-Charge, RFID
Internet connection	No
External communication	No
IP protection	IP55
Impact strength	IK10
Display	No
LED indicator	LED color indicators
Communication protocol	-
Background functions	-
Reports	-
Standard and CE certificate	CE & TUV certified
Leakage protection	TypeB (AC30mB + DC6mA)
Mounting	Wall / Stand
Stand / ground mount	Available, not included
Cooling method	Natural Cooling
Power network configuration	TN / TT -> (3P+N+PE), TN / TT -> (1P+N+PE)
Efficiency	>99%
Power meter	No
AC power Input rating	1-phase 230V±20%
Rated frequency	50/60 Hz
Input current	32 A / 16 A
Output power	7.4 kW
DLM function	-
Storage temperature	-40 to 75°C ambient
Operating temperature	-30 to 55°C ambient
Operating humidity	Up to 95% non-condensing
Altitude	≤2000m
Electrical protection	Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection, Surge Protection
Dimensions mm	455 (h) x260 (w) x150 (d)
Weight kg	4,4

Morek EV 7,4 kW Plug & Charge

For private use. No internet connection and smart features. Just plug & charge.

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- *EV 22 kW charger*
- *LED indicator*
- *6,5 m cable*
- *Type 2 connector*

Product ID	MEV22NNNN6T2
Charging mode	Level 2
Connector type	Type 2 connector with 6,5 m cable
Charging control	Plug-and-Charge, RFID
Internet connection	No
External communication	No
IP protection	IP55
Impact strength	IK10
Display	No
LED indicator	LED color indicators
Communication protocol	-
Background functions	-
Reports	-
Standard and CE certificate	CE & TUV certified
Leakage protection	TypeB (AC30mA + DC6mA)
Mounting	Wall / Stand
Stand / ground mount	Available, not included
Cooling method	Natural Cooling
Power network configuration	TN / TT -> (3P+N+PE), TN / TT -> (1P+N+PE)
Efficiency	>99%
Power meter	No
AC power Input rating	3-phase 400V±20% / 1-phase 230V±20%
Rated frequency	50/60 Hz
Input current	32 A / 16 A
Output power	22 kW/ 11 kW/ 7.4 kW
DLM function	-
Storage temperature	-40 to 75°C ambient
Operating temperature	-30 to 55°C ambient
Operating humidity	Up to 95% non-condensing
Altitude	≤2000m
Electrical protection	Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection, Surge Protection
Dimensions mm	455 (h) x260 (w) x150 (d)
Weight kg	5,9

Morek EV 22 kW
Plug & Charge

For private use. No internet connection and smart features. Just plug & charge.

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More information about Morek EV chargers and discussions about EV user cases can be found from

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- *EV 11 kW adaper*
- *LCD display*
- *5 m cable*
- *Type 2 connector*

Product ID	MEV11DNNNN5T2
Charging mode	Level 2
Connector type	Type 2 connector with 5 m cable
Charging control	Plug-and-Charge, Start/stop touch button, adjustable between 6 - 16A
IP protection	IP66
Impact strength	IK08
Display	LCD 3.8''
Reports	Energy usage on diplay
Standard and CE certificate	CE certified
Leakage protection	TypeA + DC6mA
Mounting	Wall (optional with bracket)
Efficiency	>99%
Power meter	Integrated
AC power Input rating	3-phase 400V±20% / 1-phase 230V±20%
Rated frequency	50/60 Hz
Input current	32 A / 16 A
Output power	11 kW/ 7.4 kW/ 3.6 kW
Storage temperature	-40 to 75°C ambient
Operating temperature	-30 to 55°C ambient
Operating humidity	Up to 95% non-condensing
Altitude	≤2000m
Electrical protection	Over Load Protection, Short Circuit Protection, Ground Protection, Over-temp Protection
Dimensions mm	455 (h) x260 (w) x150 (d)
Weight kg	4,5

Accessories to mobile adapter

Aluminium wall bracket	MEVA01NWPLATE
Extension 3P16A to 1P Shucko	MEVX01N3PWIRE
Cable holder for wall mount	MEVH01NHANDLE

Creating a better future for You

Morek EV 11 kW
EVSE mobile adapter

Use it when traveling or at home. Compact mobile charging adapter that should always be with every electric car.

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More information about Morek EV chargers and discussions about EV user cases can be found from
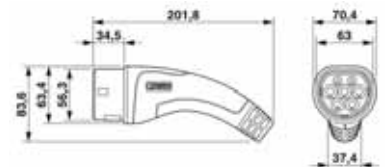
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	Mobile AC charging cables		AC charging cables	
Product type	Gen 2, 3AC32	Gen 3, 3AC32	Gen 2, 3AC32A	Gen 3
Product code by variation	**5m : 1628348** **7m: 1628199** **10m: 1628201**	**5m : 1285622**	**5m, gray : 1126280** **5m, black: 1072636**	**6,5 m, AC32 : 1630628** **6,5 m, 3AC20: 1630605** **6,5 m, 3AC32: 1630623**
Charging standard	**Type 2**	**Type 2**	**Type 2**	**Type 2**
Application	Type 2 to Type 2	Type 2 to Type 2	Open to Type 2	Open to Type 2
Type of charging current	AC 3-phase	AC 3-phase	AC 3-phase	AC 1-phase AC 3-phase AC 3-phase
Charging power	16.63 kW	26.6 kW	26.6 kW	8 kW 16.63 kW 26,6 kW
Charging current	20 A	32 A	32 A	32 / 20 / 32 A
Rated voltage	**480 V AC**	**480 V AC**	**480 V AC**	**250 / 480 / 480 V AC**
Cable length (m)	5 / 7 / 10	5	5	6,5
Cable type	straight	straight	spiraled	straight
Cable structure	**5 x 1.5 mm² + 1 x 0.5 mm²**	**5 x 4.0 mm² + 1 x 0.5 mm²**	**5 x 6.0 mm² + 1 x 0.5 mm²**	**3 x 4.0 mm² + 1 x 0.5 mm²** **5 x 1.5 mm² + 1 x 0.5 mm²** **5 x 4.0 mm² + 1 x 0.5 mm²**
Degree of protection	IP54	IP54	IP54	IP54
Ambient temperature (operating)	-40 °C ... 50 °C	-40 °C ... 50 °C	-40 °C ... 50 °C	-40 °C ... 50 °C
Ambient temperature (storage)	-40 °C ... 80 °C	-40 °C ... 80 °C	-40 °C ... 80 °C	-40 °C ... 80 °C
Standards/regulations	**IEC 62196-2**	**IEC 62196-2**	**IEC 62196-2**	**IEC 62196-2**
Weight per Piece kg	1,76 / 3,38 / 4,41	2,2	5,16 / 5,23	**1,95 / 2,05 / 2,15**

Dimensions (mm)

GEN 2:

GEN 3:

DC charging cablez

Product type	DC150A	DC200A	DC250A	DC375A
Product code by variation	5m : 1095767 7m: 1106967	5m : 1095775 7m: 1107049	5m : 1107339 7m: 1130359	5m : 1396518 7m: 1538066
Charging standard	CCS2	CCS2	CCS2	CCS2
Application	Open to CCS2	Open to CCS2	Open to CCS2	Open to CCS2
Type of charging current	DC	DC	DC	DC
Charging power	150 kW	200 kW	250 kW	375 kW
	up to 500 kW (Boost Mode, depending on the ambient conditions)			
Charging current	150 A	200 A	250 A	375 A
Rated voltage	1000 V DC	1000 V DC	1000 V DC	1000 V DC
Type of charging current	DC Boost Mod	DC Boost Mod	DC Boost Mod	DC Boost Mod
Cable length (m)	5 m ±45 mm	5 m ±45 mm	5 m ±45 mm	5 m ±45 mm
Cable type	Class 6	Class 6	Class 6	Class 6
Cable structure	2 x 35 mm² + 1 x 25 mm² + 3 x 2 x 0.75 mm²	2 x 50 mm² + 1 x 25 mm² + 3 x 2 x 0.75 mm²	2 x 70 mm² + 1 x 35 mm² + 3 x 2 x 0.75 mm²	4 x 55 mm² + 1 x 25 mm² + 2 x 0.75 mm² + 6 x 0.5 mm²
Degree of protection	IP44	IP44	IP44	IP44
Ambient temperature (operation)	-30 °C … 40 °C	-30 °C … 40 °C	-30 °C … 40 °C	-30 °C … 40 °C
Ambient temperature (storage)	-40 °C … 80 °C	-40 °C … 80 °C	-40 °C … 80 °C	-40 °C … 80 °C
Altitude	5000 m (above sea level)	5000 m (above sea level)	5000 m (above sea level)	5000 m (above sea level)
Standards/regulations	IEC 62196-3	IEC 62196-3	IEC 62196-3	IEC 62196-3
Color (Cable)	black (9005)	black (9005)	black (9005)	black (9005)
Color (Housin)	black (9005)	black (9005)	black (9005)	black (9005)
Material (Contact surface)	Silver	Silver	Silver	Silver
Packing unit	1 pc	1 pc	1 pc	1 pc
Weight per Piece kg	7,402 / 10,187	9,210 / 12,057	12,487 / 16,73	18,50 / 19,80

Dimensions (mm)
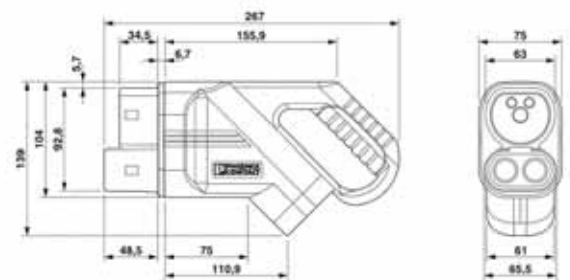
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	60 kW	120 kW	180 kW	30 kW	40 kW
Product ID	MEV60DRENG4CCS	MEV120DRENG4CCS	MEV180DRENG4CCS	MEV30DRENG4CCS	MEV40DRENG4CCS
Weight kg	190	310	355	55	75
Charging mode	Level 3			Level 3	
Connector type	CCS2 connectors with 4,5m cable			CCS2 connectors with 5m cable	
Number of connectors	2 (CCS2 + CCS2)			1 (CCS2)	2 (CCS2)
Charging control	APP, QR Code (optional), RFID			APP, QR Code (optional), RFID	
Internet connection	Ethernet / 4G			Ethernet / 4G	
IP protection	IP54			IP54	
Impact strength	IK10			IK10	
Display	7-inch touch LCD			5-inch touch LCD	
Communication protocol	OCPP1.6J (OCPP2.0 ready)			OCPP1.6J	
Power Distribution	Yes			Yes	
Reports	Full OCPP support			OCPP reporting	
Certificate	CE certified			CE certified	
Standard	IEC61851-1 / IEC62196-3			IEC61851, IEC62196, ISO15118 DIN70121 EN61000-6-4 2007, EN61000-6-2 2005	
Casing material	Aluminium			Galvanized iron	
Cooling method	Forced Air Cooling			Smart air cooling	
Power network configuration	TN-S / TN-C / TN-C-S / TT			TN-S / TN-C / TN-C-S / TT	
Peak efficiency	>95%			>95%	
Power meters	Yes			Yes	
AC power Input rating	AC 400 V (AC 323 V ~ AC 437 V)			AC 400 V (AC 323 V ~ AC 437 V)	
Noise	≤60dB			Wall-mounted	
Standby Power	≤75W			≤99 W	
Input current	97A (0~114A)	194 A (0 ~ 228 A)	291 A (0 ~ 342 A)	0 ~ 80 A	
Output power	60 kW (max)	120 kW (max)	180 kW (max)	30 kW (max)	40 kW (max)
DC output voltage range	150 V ~ 1000 V DC			150 V ~ 1000 V DC	
DC output current	0 ~ 200 A			0 ~ 80 A	
Power Limiting	Available			Available	
Storage temperature	-40 to 70°C ambient			-40 to 80°C ambient	
Operating temperature	-25 to 55°C ambient			-30 to 55°C ambient	
Operating humidity	5%~95% (no condensation)			50Hz ± 1Hz	
Altitude	≤2000m			≤2000m	
Electrical protection	Input Over/UnderVoltage Protection, Output Over Voltage Protection, Short-Circuit Protection, Over Current Protection			Input Over/UnderVoltage Protection, Output Over Voltage Protection, Short-Circuit Protection, Over Current Protection	
Dimensions mm	1550 (wys.) x700 (szer.) x400 (gł.) / 1550 (h) x700 (w) x400 (d)			670 (h) x460 (l) x270 (p)	

	Smart chargers			Plug & Charge chargers		
	11 kW	**22 kW**	**22 kW**	**22 kW**	**11 kW**	**7,4 kW**
Product ID	MEV11DREW6T2	MEV22DREW6T2	MEV22DREWNT2	MEV22NNNN6T2	MEV11NRNNN6T2	MEV07NNNN6T2
Weight kg	4,5	5,9	2,5	5,9	4,5	4,4
Charging mode	Level 2					
Connector type	Type 2 connector with 6,5 m cable or socket			Type 2 connector with 6,5 m cable		
Charging control	Plug-and-Charge, Start/stop touch button, **RFID Card, Configuration BT APP, Web app**			Plug-and-Charge, RFID		
Internet connection	Wi-Fi / LAN			No		
External communication	RS485			-		
IP protection	IP55					
Impact strength	IK08			IK10		
Display	LCD 3.8''			No		
LED indicator	No			LED color indicators		
Communication protocol	OCPP integrated			-		
Background functions	OCPP 1.6, OCPP 1.6J			-		
Reports	Full OCPP support, upgradable			-		
Standard and CE certificate	**CE & TUV certified**					
Leakage protection	TypeB (AC30mA + DC6mA)					
Mounting	Wall / Stand					
Stand / ground mount	Available, not included					
Cooling method	Natural Cooling					
Power network configuration	**TN / TT -> (3P+N+PE), TN / TT -> (1P+N+PE)**					
Efficiency	**>99%**					
Power meter	OCPP integrated			No		
AC power Input rating	3-phase 400V±20% / 1-phase 230V±20%					1-ph. 230V±20%
Rated frequency	50/60 Hz					
Input current	32 A / 16 A					
Output power	**11 / 7,4 kW**	**22 / 11 / 7,4 kW**	**22 / 11 / 7,4 kW**	**22 / 11 / 7,4 kW**	**11 / 7,4 kW**	**7.4 kW**
DLM function	Available, not included		No			
Storage temperature	-40 to 75°C ambient					
Operating temperature	-30 to 55°C ambient					
Operating humidity	Up to 95% non-condensing					
Altitude	**≤2000m**					
Electrical protection	Over/Under Voltage Protection, Over Load Protection, Short Circuit Protection, Earth Leakage Protection, Ground Protection, Over-temp Protection, Surge Protection					
Dimensions mm	455 (h) x260 (w) x150 (d)					

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For installer and developer
a well-thought-out solution for quick and affordable installation.
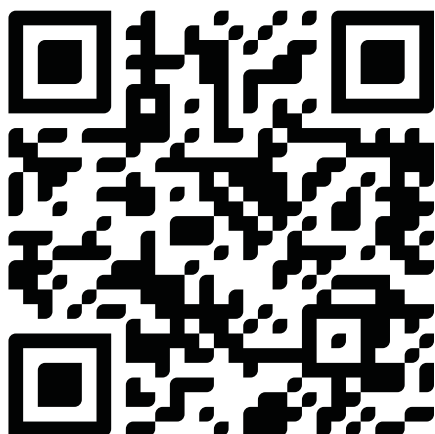
For the property owner and manager
the option of public charging helps to recoup the investment.

For the end-user
it is easy for everyone to charge the EV.

Marek's electric car chargers solve all stages of creating an electric car charging point quickly - from delivery to ease of use for the end user.

ev.morek.eu

Questions? *Make us work harder!*

More information about Morek EV chargers and discussions about EV user cases can be found from *ev.morek.eu*