



emaldo® one
/business

Emaldo® EM-C240

Specifications



The EM-C240 is a modular DC fast charger for commercial EV charging with support for 60–240kW. Designed for high reliability, easy maintenance, and flexible configuration.

Emaldo® EM-C240

Specifications

Power Specifications

Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac ±10%
Frequency	50Hz or 60Hz
THDi	≤5%
Power Factor	≥0.98
Output Voltage	200Vdc - 1000Vdc
Max. Output Current	250A (300A Optional)
Rated Power	60kW-240kW

User Interface & Control

LCD Display	10-inch Color Touch Screen (7-inch advertising display version)
User Authentication	RFID (ISO/IEC 14443) (APP/Credit Card Customization)
LED Indicator	Green/Blue/Red
Charger Connector	CCS2 (CCS1 / CHAdeMO/GB/T Optional)
Number of Charging Interface	1 or 2
Energy Measuring	DC meter, with 1% accuracy

Communication

Backend	Ethernet/4G
Charging Protocol	ISO 15118 , DIN 70121
Backend Protocol	OCPP 1.6 J/OCPP2.01

Protection

Residual Current Device	Yes
Internal Fuse	Yes
Electrical protection	Over/under voltage protection Over current protection Short circuit protection Over temperature protection Lightning protection Ground Fault Surge Protection

Environmental

Operating Temperature	-30°C - +50°C
Storage Temperature	-40°C - +75°C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP55, IK10
Cooling Method	Fan Cooling

Mechanical

Product Dimension	750 mm × 650 mm × 2019 mm (WDH)
Charging Cable Length	5 m (Customizable)
Mounting	Free Standing

Certifications

Certificate	IEC62196-1 IEC62196-3 IEC 61851-1 IEC61851-23 IEC61851-24
Safety	CE

The EM-C240 is a modular DC fast charger for commercial EV charging with support for 60–240kW. Designed for high reliability, easy maintenance, and flexible configuration, it features a modular architecture for efficient servicing and scalability. The charger includes touchscreen, support for multiple charging standards, and connectivity via OCPP, WiFi, and 4G. With IP55 protection ratings, it is suitable for both indoor and outdoor environments.

