

AUPINS EF160 Series

DC Fast Charger Tailored for Global Markets / Market Compatibility

The AUPINS EF160 Series DC Fast Charger is a high-power, floor-mounted EV charger designed for public and commercial charging networks. Offering output power from 60kW to 240kW, it supports GB/T, CCS1, CCS2, and CHAdeMO standards, ensuring broad compatibility with electric vehicles worldwide. It can be used to charge all kinds EVs with CCS-2 and CHAdeMO and AC Type-2 fast charging standard with up to 172kW (150kW DC and 22kW AC). It also support dual charging cable with up to 240kW fast Charging. With advanced safety features, RFID authentication, and a 7-inch touchscreen interface, it provides an efficient, reliable, and user-friendly charging experience. Its IP55-rated enclosure and -30°C to +50°C operating range make it ideal for outdoor use in various climates. After user identification via RFID, credit card, or mobile app, charging begins by simply connecting the output plug to the EV. The system supports single DC, dual DC, or combined DC and AC outputs. Battery status and charging progress are clearly shown on the screen, and users can stop charging at any time using available commands.

Input Voltage

400VAC ±10%,
3-phase + neutral + PE

Maximum Power

240kW (configurable: 60kW / 120kW / 150kW / 180kW / 240kW)

Output Current

Max 250A (or up to 400A optional, depending on connector and model)

Working Humidity

5% – 95% RH, non-condensing



Input Frequency

50Hz / 60Hz

Output Voltage

Range DC 200V – 750V
(Optional: up to 1000V)

Applicable Scenarios

Public Fast Charging Stations,
Highway Service Areas,
Commercial Fleets

Working Temperature

-30°C to +55°C (derating from 55°C to 75°C)

Parameter

AUPINS EF160 Series 60kW/90kW/150kW/180kW/240kW DC Fast Charger			
System			
Charging type	Mode 4, 60kW (2*30kW charging modules) /150kW (5*30kW charging modules)/180kW (6*30kW charging modules) / , 240kW (6*40kW charging modules)		
Dimension (H x W x D)	1900 x 725 x 700mm	Enclosure protection grade	IP54, IK10
Cable routing	Bottom inlet, top outlet wiring	Net weight	425kgs(180kW) / 460kgs (240kW)
Charging standard	IEC 61851-1, IEC 61851-23, CHAdeMO		
Certificate	DEKRA certified CE, EN 61851-23:2014 + EN 61851-23:2014/AC:2016-06, IEC 61851-21-2:2018, EN IEC 61851-21-2: 2021		
Protection	Over/under voltage protection, overload protection, current leakage protection, grounding protection, lightning surge protection		
Accessories	Cable management balancer reel		
User interface			
User authentication	RFID, Nayax credit card (optional), Mobile APP		
Display	7 " LCD touch screen		
Support languages	English, Italian, Czech, Polish, Russian, Spanish, Romanian, Thai, German,French, Dutch (other languages upon request)		
Network interface	Ethernet, GPRS and LTE (optional), support manually download the charging data from the local ev charger by USB disk.		
Protocol	OCPP 1.6J (WS & WSS encryption), future upgradable to 2.0		
Environmental			
Working temperature	-30°C~+55°C, derating from 55°C to 75°C	Altitude	<2000m
Working humidity	5%-95% non-condensation	Cooling	Forced air cooling
Model type EF160CC60/EF160CC150 EF160CC180/EF160CC240			
Input			
Input voltage	400Vac +/-10%, 50/60Hz, 3-phase + neutral + PE		
Max. input current	131A 60kW /179A 90kW /228A 120kW /265A 150kW /291A 180kW / 388A 240kW		
Power factor	0.99 at nominal output	Efficiency	94% at nominal output
Output			
Max. DC output power (single charging)	CCS: 60kW /90kW/120kW/150kW/180kW/240kW CHAdeMO: 60kW		
Max. DC output power (simultaneous charging)	1.CCS2: 30kW CHAdeMO: 30kW Type2 22kW 2.CCS2: 60kW CHAdeMO: 30kW Type2 22kW 3.CCS2: 60kW CHAdeMO: 60kW Type2 22kW 4.CCS2: 90kW CHAdeMO: 60kW 5.CCS2: 90kW CCS2: 90kW 5.CCS2: 120kW CCS2: 120kW		
DC output voltage range	CCS-2: 150 – 1000VDC		
DC output current range	CCS-2: 0-250A or 0-400A (optional)		
Number of plugs	2		
Outlet connectors	CCS Combo-2, CHAdeMO, Type 2		

Why Choose AUPINS EF160 Series DC Fast Charger?

The AUPINS EF160 Series DC Fast Charger with flexible power options to suit diverse needs. Its broad compatibility with multiple charging standards ensures it works seamlessly with most electric vehicles worldwide. Designed for durability and safety, it features advanced protection systems and a rugged IP54-rated enclosure ideal for outdoor use. The user-friendly touchscreen interface makes charging simple and convenient, making it a smart choice for public and commercial charging stations.