

160kW Super-Fast Charging Station

Electric Vehicle Charger



System Overview

Designed for the European market, this product has more powerful data calculation and processing capacity. Smarter dispatching strategy, better heat dissipation performance and lower noise, and fully meets the requirements of high-power DC charging of vehicles with European and Japanese standard DC interface.

The product has multiple protection design and active protective function, which can monitor all communication data in the charging process and give early warning to all kinds of abnormal charging to ensure the safety of users and vehicles.

Functions

High Reliability

High reliability and low failure rate with low operation and maintenance costs. Always available, easy to use and profitable.

High Efficiency

Efficient and power saving.
Low heat loss and heat dissipation.
Low overall power consumption and operating costs.

High Safety

Dual protection.
Active protective function.
No fire or electric shock risk.
Safety of network and supply.

Environment friendly

Low noise and easy to use.
Environment friendly.

Fast charging

Constant power output at different voltage and temperatures.
Fast charging capability in all scenarios.
Dispatching power according to different demand.

Intelligent

Intelligently connect multiple operating devices with information-based remote operation management.

Technical Specification

Basic

Rated Power	160kW
Charging Outlet	CCS2(5.0m) CHAdeMO(5.0m)
Cooling Method	Intelligence Air forced cooling
Network interface	3G-4G-5G/Ethernet
Operating environment	Indoor or outdoor(IP54)
HMI	10.1 inch,in color Touch screen
Balancer	Optional
Dimensions(w×d×h)	850mm×610mm×2000mm
Weight(kg)	Approx 330
Certification	CE/CB/UKCA/TR25
Installation	Ground mounted

Communication

Charger v.s. Ev	PLC (DIN 70121:2014-12 / ISO15118)
Communication Protocol	OCPP 1.6 / OCPP2.0 (upgradeable)

Method of payment

Payment mode	Optional : RFID Card / POS
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Input Characteristics

Input Voltage	400VAC±10%, three-phase+N+PE
Frequency	50Hz
Power factor	>0.98 (50%~100%load)
Harmonic	≤5%

Output Characteristics

Voltage	DC 200~1000V
Current	CCS2 200A max. CHAdeMO 125A max.
Power	CCS2 160kW max. CHAdeMO 62.5kW max.
Peak efficiency	≥95%
Output voltage error	≤±0.5%
Output current error	≥30A h, ≤±1%; <30A h, ≤±0.3A
Voltage stabilized accuracy	≤±0.5%
Current stabilized accuracy	≤±1%
Peak-peak ripple	≤±1%

Environmental indicators

Noise	≅ 60dB(At room temperature)
Working temperature	-30 ~ +50°C
Storage temperature	-40 ~+80° C
Relative humidity	5~90%RH,non-condensing
Altitude	<2000M,no derating