

DC Distributed EV Charger

SmartDC 480~1200kW

SmartDC distributed charger includes power bank and user terminal, one power bank can support up to 3 user terminals with 6 charging connectors. The distributed charger uses intelligent distribution algorithm to dynamically allocate the power according to different needs of vehicles.

Silent Terminal Operation: The user terminal itself generates virtually no noise, with sound levels close to 0 dB. The power bank the primary noise source can be installed remotely or centrally for consolidated noise management, making the system ideal for sensitive environments like hospitals, hotels, and residential areas.

Flexible Configuration: Modular and upgradable system user terminals and power banks can be scaled. Charging connectors can be upgraded from air-cooled to liquid-cooled. The 480 kW power bank can be expanded up to 1200 kW.

Ultra-Fast Charging: Delivers up to 500 A charging current, enabling 400 km of driving range with just 10 minutes of charging.

Smart Power Distribution: Intelligent algorithm dynamically allocates power among multiple user terminals from a shared power bank, ensuring each vehicle is charged at its optimal power level.



Technical Specifications

SmartDC 480kW						SmartDC 600kW	SmartDC 720kW	SmartDC 960kW	SmartDC 1200kW
ELECTRICAL SPECIFICATION									
Power Supply	3P+N+PE								
Rated Voltage	380V/400V/415 AC								
Rated Current	730A	912A		1095A	1460A		1825A		
Frequency	50/60Hz								
Output Voltage	200~1000V DC								
Maximum Output Current	500A (per gun)								
BASIC ATTRIBUTES									
Charge Connector	CCS2, CCS1, GB/T, CHAdeMO (Customizable)								
Cable Length	5m (Customizable)								
Enclosure	Galvanized Steel								
Installation	Floor Installation								
INTERACTIVE INTERFACE									
LED Indicator	Green/Yellow/Red								
LCD Display	TFT Color Touch Display 8"								
RFID Reader	Mifare ISO/IEC 14443A								
Start Mode	Plug&Play/App/RFID Card								
COMMUNICATION									
Wi-Fi	Optional								
Ethernet	Yes								
4G	Optional								
OCPP	OCPP1.6Json (OCPP2.0 Upgradable)								
SAFETY									
RCD	Type A								
Emergency Stop	Yes								
Ingress Protection	IP54								
Impact Protection	IK08								
Electrical Protection	Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Surge Protection, Over/Under Voltage Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection								
Certification	CE								
Warranty	2 Years								
WORKING ENVIRONMENT									
Cooling Method	Fan Cooling (Optional Liquid Cooling Gun)								
Noise	≤65dB								
Operation Temperature	-30°C ~+55°C								
Work Humidity	5%~95%								
Work Altitude	<2000m								
MECHANICAL									
Product Dimension	1400x1000x1900mm (WxDxH)								
Net Weight	850.0kg								
External Package	Wood Case								

Highlights



High power capacity
Power output up to 480kW flexibly distributed to two connectors



Fast charging
500A cable supports charging an EV from 20% to 80%soc within 10min



Cable management
Cable management device provided making charging process easier and protect the cables



Dynamic load distribution
Power distributed to two connectors controlled by algorithm realizes intelligently EV charging



HMI with good user experience
High resolution large LCD touch screen with audio function



Easy for maintenance
Modular design saves maintenance time and OTA update is available