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

RECEITION SPECIFICATION		SmartDC 480kW	SmartDC 600kW	SmartDC 720kW	SmartDC 960kW	SmartDC 1200kW	
Rated Voltage 380V/400V/415 AC Rated Qurrent 730A 912A 1095A 1460A 1825A Frequency 50/60Hz	ELECTRICAL SPECIFICATION		'	'	'		
Rated Current 730A 912A 1095A 1460A 1825A Frequency 50/60Hz	Power Supply	3P+N+PE					
Frequency	Rated Voltage	380V/400V/415 AC					
Output Voltage 200~1000V DC Maximum Output Current 500A (per gun) BASIC ATTRIBUTES 500A (per gun) Charge Connector CCS2, CCS1, GB/T, CHAdeMO (Customizable) Cable Length 5m (Customizable) Enclosure Galvanized Steel Installation Floor Installation INTERACTIVE INTERFACE Installation 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 Ves Wi-Fi Optional Ethernet Yes 4G Optional OCPP OCPP1.6-Json (OCPP2 0 Upgradable) SAFETY SAFETY RCD Type A Emergency Stop Type A Ingress Protection IRS4 Impact Protection IRS6 Over Current Protection, Residual Current Protection, Surge Protection, Over/Under Fre quency Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection Certification CE <td>Rated Current</td> <td>730A</td> <td>912A</td> <td>1095A</td> <td>1460A</td> <td>1825A</td>	Rated Current	730A	912A	1095A	1460A	1825A	
Maximum Output Current SODA (per gun) BASIC ATTRIBUTES Charge Connector CCS2, CCS1, GB/T, CHAdeMO (Customizable) Cable Length 5m (Customizable) Enclosure Galvanized Steel Installation Floor Installation INTERACTIVE INTERFACE Floor Installation 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 Pug PlugAPlay/App/RFID Card COMMUNICATION WiFI Optional UFF Optional Optional OCPP OCPP1.6 Json (OCPP2.0 Upgradable) SAFETY C RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact Protection IK08 Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Over/Under Temperature Protection Temperature	Frequency		50/60Hz				
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Enclosure Galvanized Steel Installation Floor Installation INTERACTIVE INTERFACE LED Indicator Green/Yellow/Red LED Indicator Green/Yellow	Charge Connector	CCS2, CCS1, GB/T, CHAdeMO (Customizable)					
Installation Floor Installation Floor Installation INTERACTIVE INTERFACE	Cable Length	5m (Customizable)					
INTERACTIVE INTERFACE	Enclosure	Galvanized Steel					
LED Indicator LCD Display RFID Reader RFID Reader Mifare ISO/IEC 14443A Start Mode Plug&Play/App/RFID Card COMMUNICATION Wi-Fi Optional CCPP OCPP1.6 Json (OCPP2.0 Upgradable) SAFETY RCD Emergency Stop Impact Protection Impact Protection Certification Certifi	Installation	Floor Installation					
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Ingress Protection Impact Protection Impact Protection Certification Certification Cooling Method Operation Temperature Operation Te	RCD	Type A					
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Operation Temperature -30°C ~+55°C Work Humidity 5%~95% Work Altitude <2000m	Cooling Method	Fan Cooling (Optional Liquid Cooling Gun)					
Work Humidity 5%~95% Work Altitude <2000m	Noise	≤65dB					
Work Altitude <2000m	Operation Temperature	-30°C ~+55°C					
MECHANICAL Product Dimension 1400x1000x1900mm (WxDxH) Net Weight 850.0kg	Work Humidity	5%~95%					
Product Dimension 1400x1000x1900mm (WxDxH) Net Weight 850.0kg	Work Altitude		<2000m				
Net Weight 850.0kg	MECHANICAL						
	Product Dimension		1400x1000x1900mm (WxDxH)				
External Package Wood Case	Net Weight		850.0kg				
	External Package			Wood Case			

Highlights







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



Easy for maintenance

Modular design saves maintenance time and OTA update is available