

EPCS220-1980D

Distributed Storage Charging System

NEW



High Efficiency

Intelligent power distribution to meet diverse EV charging needs.
Supports EMS dynamic power control.



Reliable Safety

Reliable operation with multi-level fault protection.
Cable management system for enhanced user experience.



Smart Design

OCPP 1.6J protocol for third-party platform access.
Multiple network options: Ethernet, Wi-Fi, 4G.
7-inch high-contrast LCD smart HMI.



Flexible Adaptability

Scalable, lightweight, and easy to install in varied locations.
200-1000V voltage range covers all main-stream charging scenarios.

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AC Input	
Grid Voltage	3 / N / PE, 380 Vac / 400 Vac ($\pm 10\%$)
Grid Frequency	50 / 60Hz
Rated Power	125-1000kW, Scalable
Max. Current	180-1443A, Adjustable
Power Factor (>50% Load)	≥ 0.99
THDI (>50% Load)	< 5%
Earthing System	TN-C/TN-S/TT

DC Output	
Output Voltage Range	200-1000VDC
Max. Output Power	120kW/240kW/400kW Optional
Output Current	Max.300A

Battery Parameters	
Battery Cell Type	LFP,314 Ah
Operating Voltage Range	616 ~ 792 Vdc
Nominal Energy	220/440/660/880/1100/1320/1540/1760/1980 kWh
Depth of Discharge	95%
Max. Charge/Discharge Rate	0.5 C/0.5 C

EV Charging	
Connector Type	Dual (CCS2 + CCS2)
Cable Length	5 m (standard)
Cable management system	Optional

User Interface	
Display	7-inch color touch screen
Support Language	English (standard) Other languages available by firmware upgrade
User Authentication	Plug & play / Auto-charge (standard) RFID-card / Debit or credit-card (optional)
Energy Metering	Meter integrated
Communication Interface	Ethernet / 4G
Communication Protocol	OCPP 1.6 JSON, OCPP 2.0.1 (Can Be Upgraded Later)

General Data	
Dimensions(WxDxH)	Different According to Project
Weight	Different According to Project
Protection Type and Class	IP55; IK10, HMI unit IK8.5
Operating Temperature	-20 ~ +50 °C
Humidity	5% ~ 95%RH,non-condensing
Altitude	≤ 2000 m
Cooling Ethod	Intelligent Air Cooling
Noise (Typical)	≤ 65 dB @ 1m & Nominal load
Installation Method	Floor mounted, Container (Optional)
Emergency Stop	Yes
Efficiency	$\geq 95\%$, Peak $\geq 97\%$

*As new products, specifications are subject to change without notice.