

DC 800 HPC Charger

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800kW High-Power Charging

Specially designed for high-power charging of heavy-duty trucks, construction vehicles, etc., supporting traditional power grids, energy storage systems, and photovoltaic power supply.

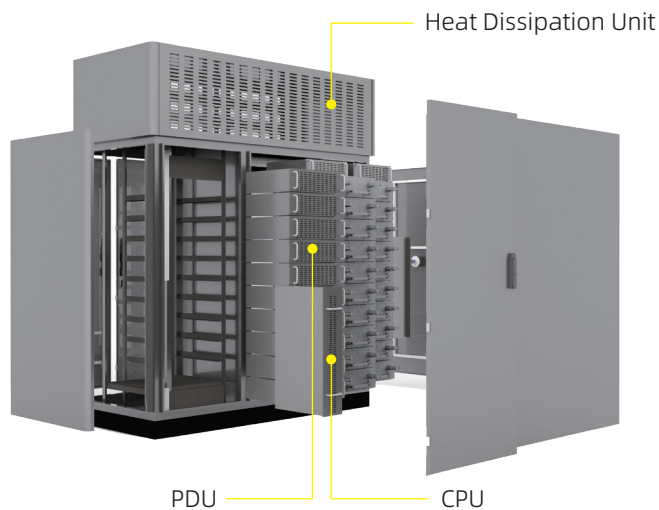
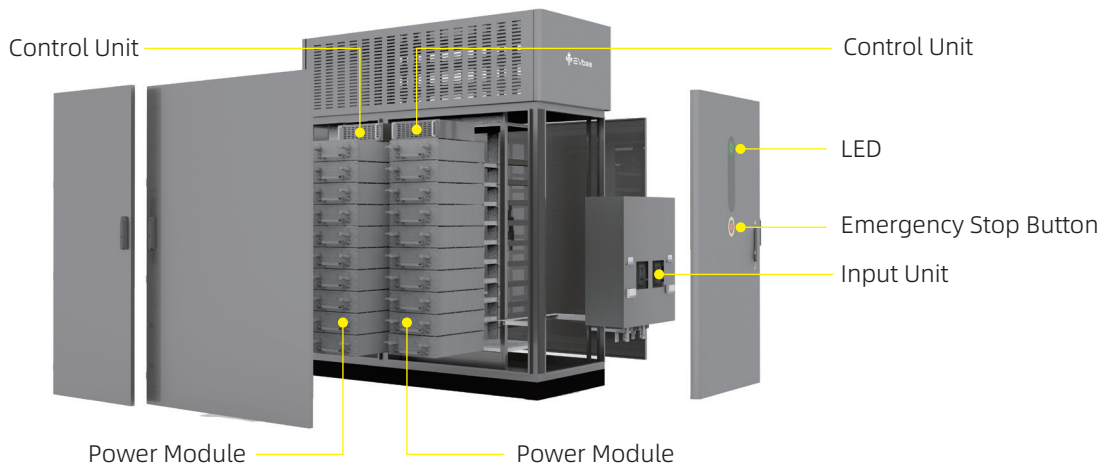


Features (Power Cabinet)



- Liquid cooling
- Lower decibel operation
- Modular design
- Full matrix power allocation
- Supports connecting 10 charging connectors
- Support parallel expansion

Modular Design (Power Cabinet)



Technical Data (Power Cabinet)

Input

Model	EVB-CE-DCT800-1210
Rated Input Voltage	400Vac±15%
Rated Input Current	1227A
Rated Frequency	55±10Hz
Grid Type	TN-S
Power Factor	≥0.98 (50%~100% Rated Power), ≥0.95 (20%~50% Rated Power)
THD	≤ 5% (50%~100% Rated Power)

Output

Rated Power	800kW
Output Voltage Range	150~1000Vdc
Constant Power Output Range	300~1000Vdc
Output Current Range	0~2666A
Number of Output Circuits	10
Efficiency	Rated Efficiency ≥96%, Max Efficiency ≥97%

Operation & Dimensions

Operating Temperature	-40°C~+65°C, Reduced Usage above 50°C
Operating Humidity	0~95%RH
Operating Altitude	≤2000m, Derating above 2000m
Storage Temperature	-40°C~+70°C
Cooling Mode	Liquid Cooled
IP Grade	IP55
Noise	≤55dB Silent Mode, ≤65dB Standard Mode
Dimensions (mm)	H2050 x W960 x D2100

System Specifications

Communication Mode	4G, WiFi, Ethernet, Bluetooth
External Communication Interface	Ethernet, RS485, CAN
Standards	IEC 61851-1, IEC 61851-21-2, IEC 61851-23, IEC 61851-24
Cloud Communication Protocol	OCPP 1.6, OCPP 2.0.1
Protection	Leakage protection, input short circuit protection, input overvoltage protection, input undervoltage protection, input phase loss protection, output overvoltage protection, output short circuit protection, output overcurrent protection, output reverse connection protection, lightning protection, grounding protection, over temperature protection, contactor adhesion protection, insulation detection protection, emergency stop protection, door opening protection, water immersion protection, smoke alarm.



Features (Satellite)



- Liquid cooled 650A (Boost 800A)
- Natural cooled 375A (Boost 500A)
- Two natural cooled circuits can replace one liquid cooled circuit
- Two connectors of natural cooled satellite support charging one EV simultaneously
- Design with consideration for disabled users

Technical Data (Satellite)

Output

Model	EVB-CE-DC650-121-L	EVB-CE-DC375-122-N
Rated Power	650kW	375kW*2
Output Voltage Range	150~1000Vdc	
Constant Power Output Range	300~1000Vdc	
Output Current Range	0~650A (Boost 800A)	0~375A (Boost 500A)*2
Number of Connectors	1	2
Charging Cable Length	3.5m	5m
Connector Type	CCS2	

Operation&Dimensions

Operating Temperature	-30°C~+50°C	
Operating Humidity	0~95%RH	
Operating Altitude	≤2000m, Derating above 2000m	
Storage Temperature	-30°C~+70°C	
Cooling Mode	Liquid Cooled	Natural Cooled
IP Grade	IP55	
Noise	≤55dB	0dB
Dimensions (mm)	H1700 x W300 x D500	H1700 x W300 x D400

System Specifications

Authentication Mode	RFID card, Credit card, Scan Code, Local Whitelist
Standards	IEC 61851-1, IEC 61851-21-2, IEC 61851-23, IEC 61851-24
EV Communication Protocol	ISO 15118, DIN 70121
Protection	Output overvoltage protection, output short circuit protection, output overcurrent protection, output reverse connection protection, grounding protection, over temperature protection, contactor adhesion protection, insulation detection protection, emergency stop protection.





Charging Made Carefree



Email: info@evbee.com

Address: Tennesseedreef 3,3565 CK Utrecht, Netherlands



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