

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.

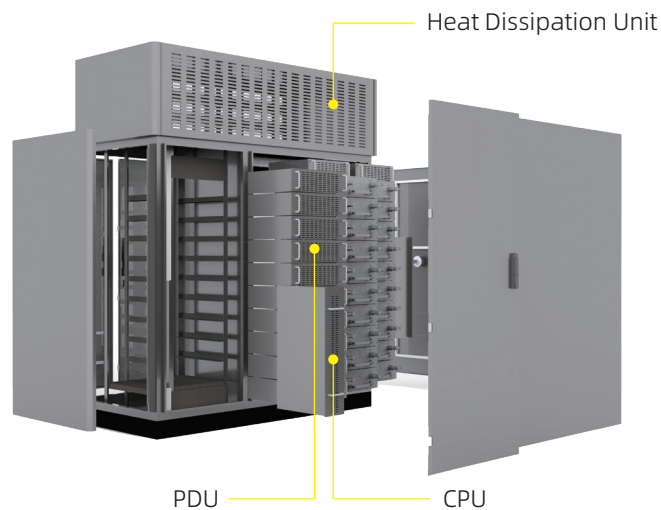
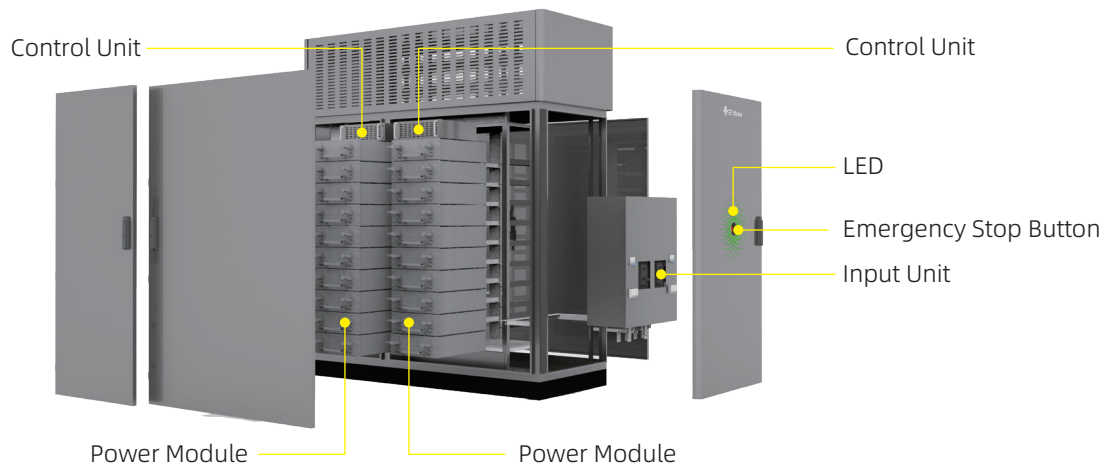


Features (Power Cabinet)



- 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~+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 (W*D*H) | 800*1700*2150mm |

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 (W*D*H) | 310*500*1730mm | 310*400*1730mm |


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



evbee.com



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