Datasheet

DC 400
Public Charger

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400kW Ultra-fast Charging

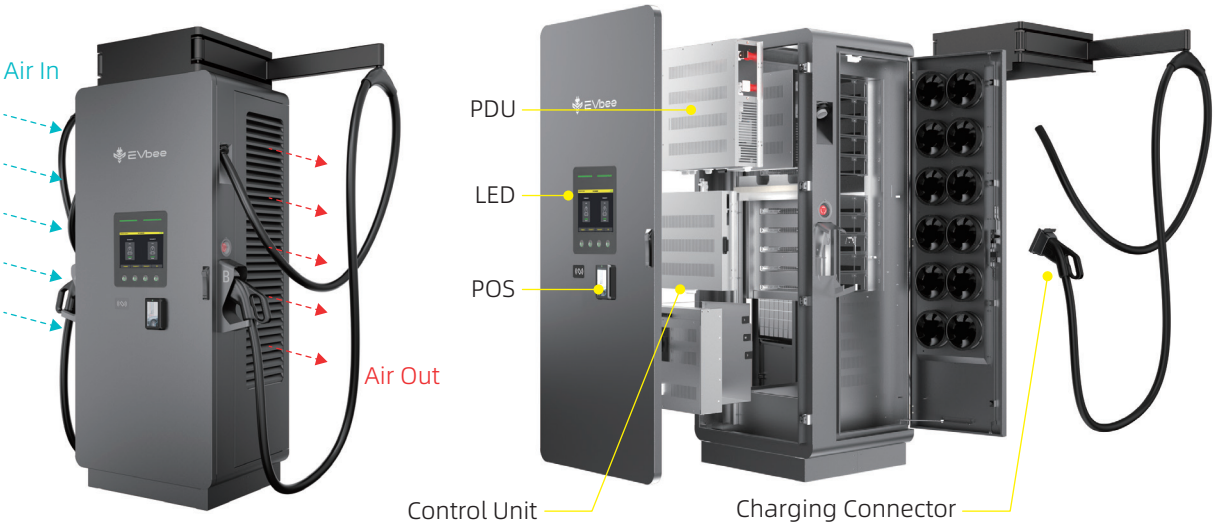
Designed for highway, city corridor, HPC stations, truck, bus, boat, mining vehicle charging, transportation hub and 10~20 minutes refill.



Modular Design

Intended Use

The integrated DC charger is suitable for urban public charging stations, urban public charging power stations, parking lots, shopping malls, power business locations, inter-city highways, road charging stations and other situations that demand DC fast charging.



400kW Fast Charging

- 400kW DC charging with a future-proof output of up to 500A & 1000V.

Scalable Power Levels

- 200kW - 400kW modular fast charging station with scalable modules to fit any situation.
- Starts at 160kW, expandable up to 400kW with added power modules.

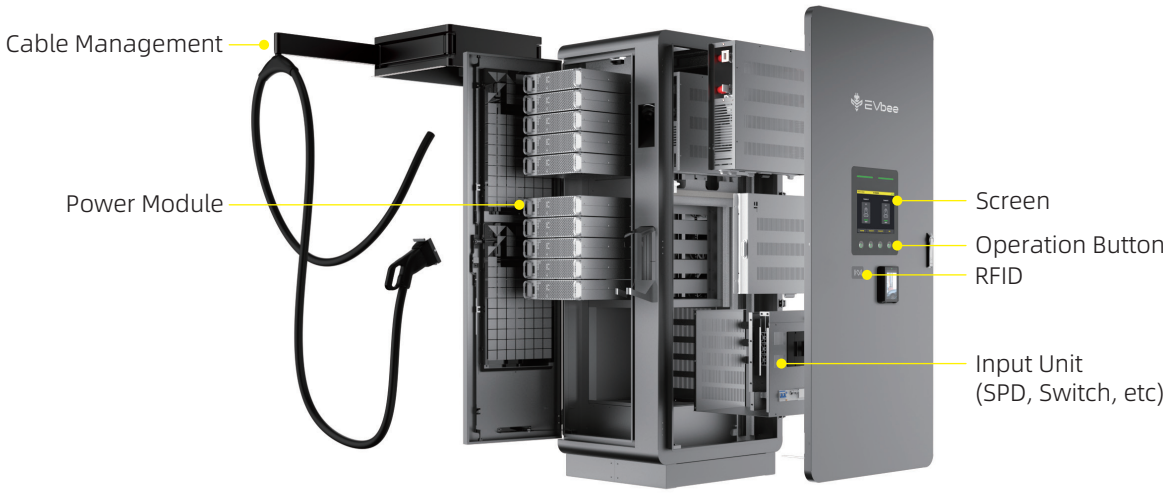
Smart & Safe

- Interlock design and real-time safety monitoring ensure stable, secure operation.
- Features cable anti-theft protection and an alarm system for added safety.

Modular Design for Easy Maintenance

- Modular design with optimized wiring and connections ensures simple installation and maintenance.
- Optional top-mounted arm-style CMS keeps cables off the ground.

Modular Design



Features

Application Scenarios

- Highway, city corridor, HPC stations
- Truck, bus, boat, mining vehicle charging
- Transportation hub
- 10~20 minutes refill

Key Features

- 400kW highpower charging
- 80-120-120-80 flexible allocation, for parallel DC charging
- Max. 500A output without liquid cooling
- Optional cable management

Customer Value

- Ultra fast charging
- Easy installation and maintenance
- Dual uplink, remote diagnosis, high uptime

Technical Data

System Specification	DC 400	DC 360	DC 320	DC 280	DC 240	DC 200
Part Number	EVB-CE-DCT400-122	EVB-CE-DCT360-122	EVB-CE-DCT320-122	EVB-CE-DCT280-122	EVB-CE-DCT240-122	EVB-CE-DCT200-122
DC Interface	CCS2					
Application	Indoor or outdoor					
Operation Temperature	-30°C to +50°C					
Storage Temperature	-40°C to +80°C					
Humidity	5%~95%					
Peak Efficiency	≥96% (SiC ≥97%)					

Power Supply	
AC Input Voltage	400Vac +/-10% (3P+N+PE), 50~60Hz
Network Type	TN-C-S, TN-S, TT
THDi	<5% at normal power
Power Factor	≥0.98
Overvoltage Category	OVC III, DIN EN 60664-1

DC Output	DC 400	DC 360	DC 320	DC 280	DC 240	DC 200
Maximum DC Output Power	400kW	360kW	320kW	280kW	240kW	200kW
Output Voltage Range	150~1000Vdc					
Output Current	500A max.					
Connector Rate Current	Rate current 375A					
Charging Connector	CCS2*2					
Cable Length	5m (7m optional)					

General	
Certifications	CE/UKCA/CB/TUV
DC-Protocol Standard	DIN SPEC 70121
Charging System	IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 61000
RFID System	ISO/IEC 14443A: MIFARE Classic EV1
Network Connections	4G GSM-/CDMA modem, 10/100Base T-ethernet, WiFi
Communications Protocol	OCPP 1.6J, OCPP 2.0.1 (future)
User Interface	10.1" display, LCD
POS Terminal	Optional (Payter 66 / Apollo)
Cable Management	Optional
Cooling Mode	Fan cooling
Noise Level Adjustment	<65dB on Full Load (Front 2m / 25 °C)
Protection	RCD 30mA Type A, UVP, OVP, Surge protection, OCP, Control pilot fault, Residual current protection, OTP, Relay welding detection
Protection Rating	IP54
Enclosure Protection	IK 10 (Screen IK 08)
Design Life	10 years
Dimensions(mm)	H1900 x W800 x D650
Charger Weight	<500kg / <485kg / <470kg / <455kg / <439kg / <423kg

Charging Made Carefree

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