Datasheet

DC 60/80
Public Charger

"

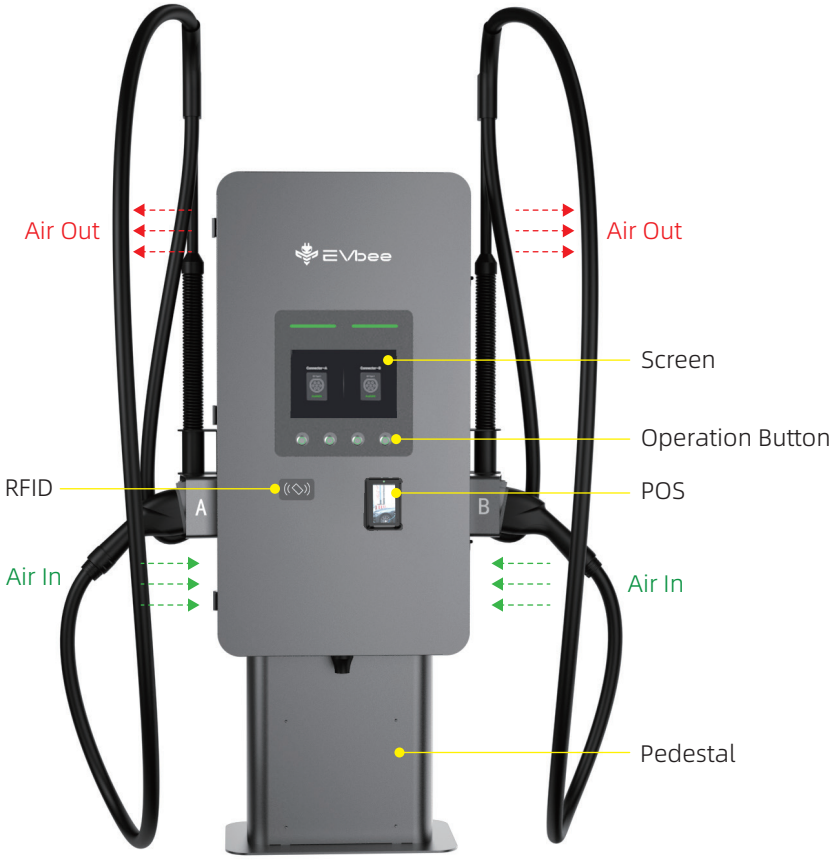
60/80kW Fast Charging

Designed for city quick charging stations, chain stores parking lots, public or commercial buildings and 0.5-1.5 H refill.

Product Overview

Intended Use

The integrated DC charger is suitable for city quick charging stations, chain stores parking lots, public or commercial buildings and other situations that demand DC fast charging.



Quick City Charging

- Featuring a compact design for wall or pedestal mounting
- 30/40/60/80kW fast charging
- Rapid deployment of charging stations on existing utility infrastructure

Modular Design

- Enables quick and easy maintenance
- Seamless upgradability from 30/40kW to 60/80kW

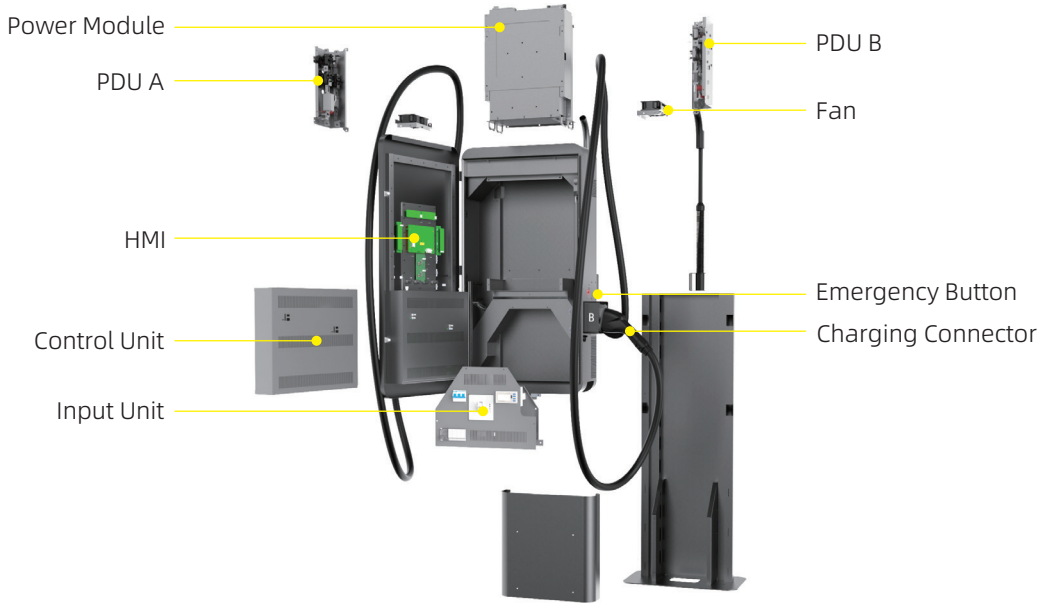
Smart Integration

- Support seamlessly integrates with POS terminals, OCPP backends, and load management systems
- Support latest EV charging ecosystem

Reliable Operation

- Connectivity to the Garden maintenance backend enables pre-diagnosis, remote analysis, and updates, ensuring system reliability and simplifying operations
- Conforms with PAS 1899 accessible charging standard

Modular Design



Features

Application Scenarios

- Chain stores parking lots
- Public or commercial buildings
- Shopping mall, chain hotel, industrial parking

Key Features

- Up to 250A Output
- 30/60kW, 40/80kW fast charging
- Smart allocation & parallel DC charging
- Slim footprint, design for wallbox or pedestal mounting
- Easy to setup, optional Cable Management System
- Customizable Design Panel
- 0.5~1.5 H refill

Customer Value

- High uptime
- Easy installation and maintenance

Technical Data

System Specification	DC 80	DC 60	DC 40	DC 30
Part Number	EVB-CE-DCT080-112	EVB-CE-DCT060-112	EVB-CE-DCT040-111	EVB-CE-DCT030-111
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 80	DC 60	DC 40	DC 30
Maximum DC Output Power	80kW	60kW	40kW	30kW
Output Voltage Range	150~1000Vdc			
Output Current	250A max.	200A max.	133A max.	100A max.
Connector Rate Current	Rate current 150A			
Charging Connector	CCS2*2	CCS2*2	CCS2*1	CCS2*1
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, Option-Router: 3G/4G
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)	H1150 x W550 x D255
Charger Weight	<125kg / <120kg / <108kg / <100kg

Charging Made Carefree

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