Datasheet

EVbee

# DC 60/80
## Trolley Charger

"

### 60/80kW Fast Charging

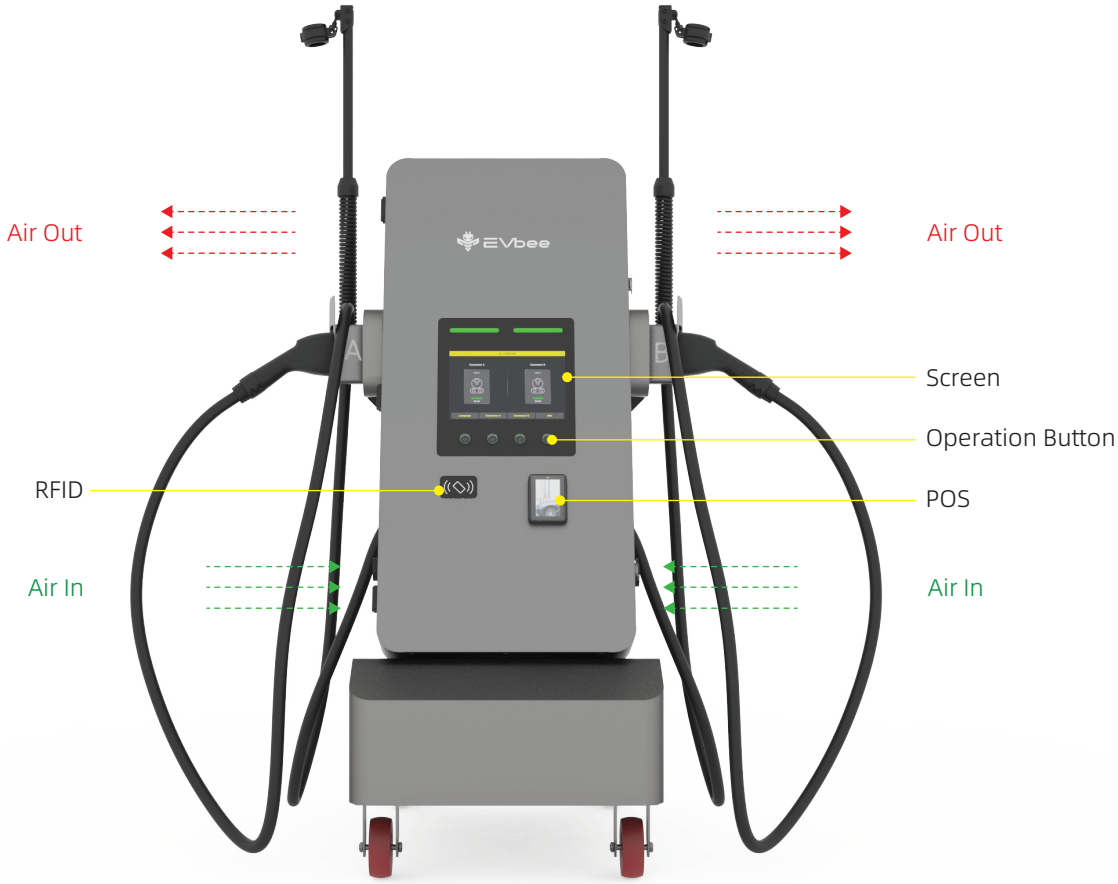
Designed for city quick charging stations, chain stores parking lots, public or commercial buildings and 0.5-1.5 H refill.



# 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

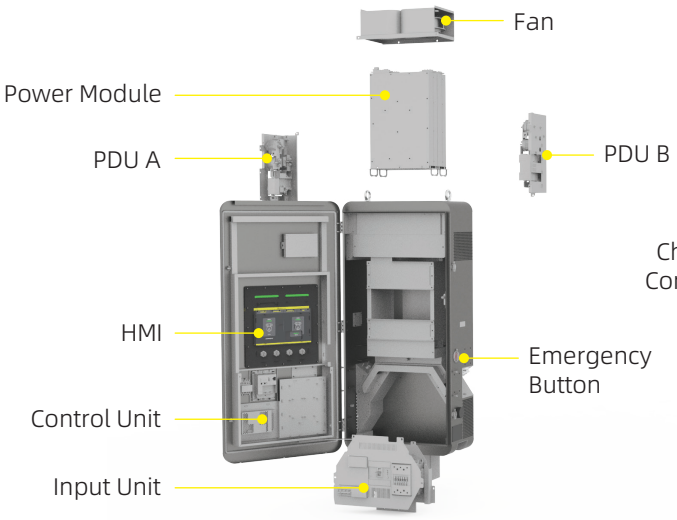
## Smart Integration

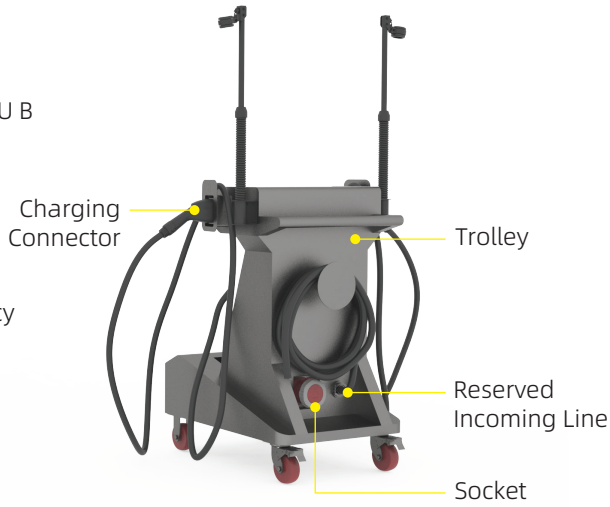
- Support seamlessly integrates with POS terminals, OCPP backends, and load management systems
- Support latest EV charging ecosystem

## 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,<br>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,<br>OCP, Control pilot fault, Residual current protection,<br>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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