



**EVB-DC-PS120**

EV Charger

DC Fast Charger

**EVBOLT**

# DC FAST CHARGER

## FEATURES

- Optional non-Liquid-cooled 500A charging connector\*
- Simultaneous DC charging
- Multi-standard: CCS and CHAdeMO
- Network or standalone operation
- User authentication
- Optional cable management accessories
- Supports smart charging and load balancing
- Efficiency > 94%;PF > 0.99(APFC)
- 7-inch LCD screen with user friendly interface
- OCPP 1.6 JSON
- IK10/NEMA 3R(Not including screen and RFID module)
- Customization available

\* 300A to 500A duty cycle is following charging connector's instruction

Optional Cable Management



# EVB-DC-PS120

|               |  |
|---------------|--|
| Model Name    | EVB-DC-PS120   |
| Safety        | NRTL – cETLus (USA/Canada )  |
| Product Photo |  |

## Power Specification

|                  |                      |   |
|------------------|----------------------|---|
| AC Input         | Input Rating         | Three Phase_480Vac (+10%,15%)   |
|                  | AC Input Connection  | 3P+N+PE (Wye configuration), TN/TT  |
|                  | Max. Input Current   | DC System Three Phase 170A  |
|                  | Frequency            | 50Hz/60Hz   |
|                  | Power Factor         | >0.99   |
|                  | Efficiency           | >94%,at optimize V/I point  |
| DC Output        | Output Voltage Range | <ul style="list-style-type: none"><li>• CCS1:150~950Vdc</li><li>• CHAdeMO:150~500Vdc</li></ul>              |
|                  | Max. Output Current  | <ul style="list-style-type: none"><li>• CHAdeMO:120A@500V</li><li>• CCS1:200A@600V, optional 300A</li></ul> |
|                  | Max. Output Power    | DC System:120kW   |
|                  | Voltage Accuracy     | ±2%   |
| Current Accuracy | ±2%                  |   |

## User Interface & Control

|                     |  |
|---------------------|--|
| Display             | 7" TFT-LCD   |
| Push Buttons        | Operation button/Emergency stop button   |
| User Authentication | RFID: support ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966)<br>OCPP, 2D barcode, APP, Mobile payment |

## Communication

|          |                       |
|----------|-----------------------|
| External | Ethernet,Wi-Fi,and 4G |
| Internal | CAN bus/RS485         |

## Environmental

|                       |  |
|-----------------------|--|
| Operating Temperature | -30°C~50°C, will derating from 50°C and above          |
| Humidity              | 5%~95% RH, non-condensing                              |
| Altitude              | ≤ 2000m  |
| IP/IK Level           | NEMA 3R<br>IK10 (not including screen and RFID module) |
| Cooling Method        | Fan cooling  |

## Mechanical

|                              |  |
|------------------------------|--|
| Cabinet Dimension(W x D x H) | 800 x 650 x 1900mm ±1%                   |
| Weight                       | ≤ 420kg ±1%                              |
| Cable Length                 | 4m                                       |
| Cable Management             | Optional Cable Management (Not included) |

## Protection

|                   |                              |
|-------------------|------------------------------|
| Input Protection  | OVP, OCP, OPP, OTP, UVP, SPD |
| Output Protection | OCP,SCP,OVP, LVP, OTP, IMD   |

## Regulation

|                    |   |
|--------------------|---|
| Charging Interface | CHAdeMO V1.2, DIN 70121, ISO15118, GB/T 27930 |
|--------------------|---|