

# DC WALLBOX EVDC-20KW/30KW



## FEATURES

- Compact and contemporary design
- 20 kW / 30 kW continuous fast charging
- Robust, all-weather enclosure for indoor and outdoor use: IP54
- Easy to install and use
- 100A high output current
- Single outlet: CCS or CHAdeMO
- Daylight readable 7" full color touch screen display
- RFID reader
- Future proof connectivity:
  - OCPP
  - Capability for remote services
- Future proof due to DC output voltage range from 200 to 1000 VDC supporting most kinds of electric vehicles.
- Reasonably priced
- Simple wall-mounting saves space and costs compared to EV charging stations as it requires no foundation.
- EV standards: IEC 62196, IEC 61851, JEVS G105

The EAST **DC Wallbox** is a compact 20 kW / 30 kW DC fast charger. It can deploy charging network rapidly and effectively, providing high-power quick charging service for electric vehicles. It has a durable, robust, all-weather enclosure for indoor and outdoor use and support CCS or CHAdeMO standards.

This DC charger consists of billing control unit, charging control unit, charging module and input / output power distribution unit. It is applicable to public parking station and enterprises' parking lot.

## TECHNICAL DATA

| MODEL                                      | EVDC-20kW                            | EVDC-30kW                           |
|--|--------------------------------------|-------------------------------------|
| <b>INPUT</b>                               |                                      |                                     |
| Input voltage                              | 260 ~ 470 V (three-phase five-wire)  |                                     |
| Input current                              | ≤ 60 A                               |                                     |
| AC input frequency                         | 40 ~ 70Hz                            |                                     |
| Efficiency                                 | ≥ 94%                                |                                     |
| Power factor                               | ≥ 0.99                               |                                     |
| Input THD                                  | ≤ 5%                                 |                                     |
| <b>OUTPUT</b>                              |                                      |                                     |
| Output voltage range                       | 200 ~ 1000 V                         |                                     |
| Rated output current                       | 66.6 A (@300 V) /<br>20 A (@ 1000 V) | 100 A (@300 V) /<br>30 A (@ 1000 V) |
| Soft start time                            | 3 ~ 8 s                              |                                     |
| Voltage regulation accuracy                | ≤ ± 0.5%                             |                                     |
| Current regulation accuracy                | ≤ ± 1%                               |                                     |
| Ripple coefficient (peak value)            | ≤ ± 0.5%                             |                                     |
| Current-sharing unbalanced degree          | ≤ ± 5% (50% ~ 100% rated load)       |                                     |
| Noise                                      | < 60 dB                              |                                     |
| <b>CHARGING CONFIGURATION AND STANDARD</b> |                                      |                                     |
| Number of charging plugs                   | 1                                    |                                     |
| Charging cable length                      | 5 m                                  |                                     |
| Charging protocols                         | CCS or CHAdeMO                       |                                     |
| Standards                                  | IEC 62196, IEC 61851, JEVS G105      |                                     |
| <b>OTHERS</b>                              |                                      |                                     |
| Operating temperature                      | -20°C ~ +55°C                        |                                     |
| Storage temperature                        | -40°C ~ +80°C                        |                                     |
| Relative humidity                          | ≤ 95%                                |                                     |
| Atmospheric pressure                       | 70 kPa ~ 106 kPa                     |                                     |
| IP rating                                  | IP 54                                |                                     |
| Dimensions (W×D×H) (mm)                    | 600×250×720                          |                                     |
| Weight (kg)                                | ≤ 60                                 |                                     |

• All specifications are subject to change without notice.