



## EVDC-50 (NA) Specifications

Accelerating mass adoption of electric vehicles by  
delivering sustainable fast charging solutions that can be  
deployed anywhere

## EVDC-50 (NA)

### 50kW DC Fast Charger

#### FEATURES

- Designed for easy installation and maintenance
- Driver friendly with a 15" LCD touchscreen display
- CHAdeMO and CCS (type 1 or 2) connectors - 2 plugs supplied as standard
- Ethernet, 3G / 4G and Wi-Fi network connections
- IP54 rated enclosure ideal for a wide range of locations and conditions
- Brandable exterior design
- Optional POS terminal
- Start modes include plug-n-play, RFID and QR code
- OCPP 1.6 Json (OCPP 2.0.1 optional)



| SPECIFICATIONS                  |  |
|---------------------------------|--|
| <b>Connectors</b>               | CHAdeMO and CCS (type 1 or 2)            |
| <b>Output Power</b>             | 50 kW                                    |
| <b>Output Voltage</b>           | 200 - 1000 V                             |
| <b>Cable Length</b>             | 5 m                                      |
| <b>Supply Input</b>             | 480 Vac                                  |
| <b>Supply Frequency</b>         | 60 Hz                                    |
| <b>Efficiency</b>               | ≥95% (50%-100% load)                     |
| <b>Power Factor</b>             | ≥0.99                                    |
| <b>Network Connection</b>       | Ethernet / 3G / 4G / Wi-Fi               |
| <b>Communication Protocol</b>   | OCPP1.6J, or OCPP2.0.1                   |
| <b>Soft Start Time</b>          | 3 - 8 seconds                            |
| <b>Startup Mode</b>             | Automatic charging / RFID card / QR code |
| <b>POS (Credit Card Reader)</b> | Optional (enabling card payments)        |
| <b>LCD Display</b>              | 15 inch touchscreen                      |
| <b>IP Rating</b>                | IP54                                     |
| <b>IK Rating</b>                | IK10                                     |

| SPECIFICATIONS CONT..         |  |
|-------------------------------|--|
| <b>Protection</b>             | Over / under voltage protection, overload protection, short circuit protection, over / under temperature protection, surge protection, communication failure |
| <b>Cooling Method</b>         | Fan cooling  |
| <b>Maximum Altitude</b>       | <2000m   |
| <b>Operating Temperature</b>  | -4°F (-20°C) to 131°F (55°C)   |
| <b>Operating Humidity</b>     | 5%-95% without condensation  |
| <b>Dimensions (W x D x H)</b> | 37.8 x 21.7 x 68.1 (960 x 550 x 1730) inch (mm)  |
| <b>Weight</b>                 | 300 kg   |
| <b>Freight</b>                | 12 units per 20' container   |
| <b>Certification</b>          | CE, conforms to 2014/30/EU Electromagnetic Compatibility Directive and 2014/35/EU Low Voltage Directives   |
| <b>Related Standards</b>      | EN 61851-1:2011; EN 61851-23:2014; EN 61851-21:2002, EN IEC 61000-6-1:2019; EN 61000-6-3:2007/A1:2011/AC:2012  |
| <b>MTBF</b>                   | 100,000 hours  |
| <b>Warranty</b>               | 2 years as standard  |



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