



## EVDC-180 (EU) Specifications

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



ELECTRIC VEHICLE ENERGY STORAGE COMPANY

## EVDC-180 (EU)

### 180kW DC Fast Charger

#### FEATURES

- True simultaneous charging - charge two cars at the same time
- Future-proof design with 1000 V max output
- Driver friendly with a 10" LCD touchscreen and simple to use interface
- CHAdeMO and CCS2 or dual CCS2 charging cables
- Ethernet, 4G and Wi-Fi network connectivity
- OCPP 1.6 and ISO 15118 compliant
- Start modes include plug-n-play, RFID card, OCPP and optional POS
- IP54 rated enclosure ideal for a wide range of locations and conditions



| SPECIFICATIONS                |                                                            |
|-------------------------------|------------------------------------------------------------|
| <b>Connectors</b>             | CHAdeMO + CCS2 or CCS2 + CCS2                              |
| <b>Output Power</b>           | 180 kW (can charge two cars simultaneously at 90 kW each)) |
| <b>Output Voltage</b>         | 300 - 1000 V                                               |
| <b>Output Max Current</b>     | 300 A (0 - 300 A variable range)                           |
| <b>Supply Input</b>           | 400 Vac (+/- 10%)                                          |
| <b>Supply Frequency</b>       | 50 Hz                                                      |
| <b>Input Current</b>          | 265 A (@ 400 Vac)                                          |
| <b>Grounding Detection</b>    | 30 mA                                                      |
| <b>Efficiency</b>             | ≥96% (50%-100% load)                                       |
| <b>Power Factor</b>           | ≥0.99                                                      |
| <b>Harmonic Current</b>       | <5%                                                        |
| <b>Ripple Voltage</b>         | 1%                                                         |
| <b>Network Connectivity</b>   | Ethernet / 4G / Wi-Fi                                      |
| <b>Communication Protocol</b> | OCPP 1.6                                                   |
| <b>Charging Cable Length</b>  | 5 m (16.4 ft)                                              |

| SPECIFICATIONS CONT..           |                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Start-up Mode</b>            | Automatic charging / RFID card / OCPP                                                                                                                        |
| <b>POS (Credit Card Reader)</b> | Optional (enabling card payments)                                                                                                                            |
| <b>LCD Display</b>              | 10 inch touchscreen                                                                                                                                          |
| <b>Protection</b>               | Over / under voltage protection, overload protection, short circuit protection, over / under temperature protection, surge protection, communication failure |
| <b>IP rating</b>                | IP54                                                                                                                                                         |
| <b>Emergency Stop Button</b>    | Yes                                                                                                                                                          |
| <b>Cooling Method</b>           | Forced air cooling                                                                                                                                           |
| <b>Operating Temperature</b>    | -4°F (-20°C) to 122°F (50°C)                                                                                                                                 |
| <b>Operating Humidity</b>       | 5%-95% without condensation                                                                                                                                  |
| <b>Dimensions (W x D x H)</b>   | 35.4 x 22.4 x 63.0 (900 x 570 x 1600) inch (mm)                                                                                                              |
| <b>Weight</b>                   | ~428 kg (944 lbs)                                                                                                                                            |
| <b>Certification</b>            | CE, IEC 61851, ISO 15118                                                                                                                                     |
| <b>MTBF</b>                     | 100,000 hours                                                                                                                                                |
| <b>Warranty</b>                 | 2 years as standard                                                                                                                                          |



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