

# EV-480 240kW



The **EV-480 240kW** stands at the forefront of our standard product line, offering advanced AC and DC Fast Charging solutions designed to meet the evolving demands of electric mobility. Backed by a state-of-the-art in-house Research and Development team, the EVCharge 480 180kW is engineered with flexibility and innovation in mind, ensuring it can address any specific customer requirement. From customizable hardware options and multiple country connector combinations to CE or UL certification variants, the EVCharge 480 240kW delivers reliable, future-ready charging technology tailored to your exact needs.

## Features

- HPC System with 1000VDC
- Powerful Compact All-In-One Charger
- Simple Air-Cooled Power Modules
- Easy to Maintain
- Parallel Charging Feature
- Liquid Cooled Cables
- OCPP 1.6J
- Credit Card Reader
- Cord Management



### Dependable Safety

Rigorous safety protocols for enhanced protection.



### Rapid Charging

Fast and Efficient Energy Replenishment



### Whisper-Quiet Operation

Silent Performance for a Peaceful Environment



### Massive Capacity

High Storage Capacity for Extensive Use



### Robust Performance

Reliable and Consistent Efficiency in All Conditions

# EV-480 240kW



| Product #                           |                                                                          | TP5-240-480                                                          | HPC-240-480 |
|-------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|-------------|
| Model #                             | TP-EVPD-240kW                                                            |                                                                      |             |
| Maximum Power                       | 240 kW                                                                   |                                                                      |             |
| Output Voltage                      | 150 - 1000 VDC                                                           |                                                                      |             |
| Max Output Current                  | Up to 500A                                                               |                                                                      |             |
| Input                               | 480V (3P + N + PE),    60Hz                                              |                                                                      |             |
| Input Current    Breaker Rating     | 320A    400A                                                             |                                                                      |             |
| Power Factor                        | >0.98                                                                    |                                                                      |             |
| Efficiency                          | >94% at nominal output power                                             |                                                                      |             |
| Connector Options                   | CCS1 and CCS1<br>CCS1 and CHAdeMO                                        |                                                                      |             |
| CCS Cable                           | 350A (Standard)                                                          | 500A (Liquid Cooled)                                                 |             |
| CHAdeMO Cable                       | 125A (Standard) or 200A                                                  |                                                                      |             |
| Charging Protocol Standards         | Mode, IEC-61851, ISO-15118, DIN 70121    Mode 4, CHAdeMO 0.9, 1.0        |                                                                      |             |
| Connector Cable Length              | CCS - 16ft (4m)   CHAde-<br>MO - 16ft (5m) Cable<br>Retractor Included   | CCS - 13ft (4m)   CHAdeMO<br>- 16ft (5m) Cable Retractor<br>Included |             |
| Weight                              | 1653 lbs (750 kg)                                                        |                                                                      |             |
| Insulation (input - output)         | >2.5 kV                                                                  |                                                                      |             |
| Ingress Protection                  | NEMA 3S (IP54), IK10                                                     |                                                                      |             |
| Altitude                            | <6,600ft (2,000m)                                                        |                                                                      |             |
| Operating Temperature               | -30°C to 55° C (-22°F to 131° F)                                         |                                                                      |             |
| Working    Storage Humidity         | ≤95% RH    ≤99% RH (Non-condensing)                                      |                                                                      |             |
| Display                             | 10" touch screen                                                         |                                                                      |             |
| Communication    Protocol           | OCPP 1.6J                                                                |                                                                      |             |
| Access Control                      | RFID:ISO/IEC 14443A/B   Credit Card Reader (Optional)                    |                                                                      |             |
| Metering                            | DC kWh meter per each connector                                          |                                                                      |             |
| Power Electronics Cooling           | Air Cooled                                                               |                                                                      |             |
| Regulatory Compliance               | UL-2202    EMC: EN 61000 - 1:2007, EN 61000-6-3:2007 / A1:2011 / AC:2012 |                                                                      |             |
| Electrical Safety: GFCI             | RCD 20 mA Type A                                                         |                                                                      |             |
| Electrical Safety: Surge Protection | 20KA                                                                     |                                                                      |             |
| Electrical Safety General           | Over Voltage, Under Votlage, Over Current, Missing Ground                |                                                                      |             |
| Electrical Safety: Output Short     | Output power disabled when output is short circuited                     |                                                                      |             |
| Electrical Safety Temperature       | Temperature Sensors @ Charge Coupler and Power Electronics               |                                                                      |             |
| Emergency Stop                      | Disable output power with emergency stop button                          |                                                                      |             |
|                                     |                                                                          |                                                                      |             |