

# 60 KW DC FAST CHARGER

## Specifications Sheet





## Power TP5-60-480

|                            |                               |
|----------------------------|-------------------------------|
| Maximum Power              | 60kW                          |
| Output Voltage             | 150-1000VDC                   |
| Max Output Current         | Up to 200A                    |
| Input Voltage    Frequency | 480VAC (3P + N + PE)     60Hz |
| FLA    Breaker Rating      | 80A    100A                   |
| Rated Power                | 66.4 kVA                      |
| Power Factor               | > 0.98 @ full load            |
| Efficiency                 | > 94% at nominal power output |

## Connectors TP5-60-480

|                        |   |
|------------------------|---|
| Connector Options      | CCS1    CHAdeMO    NACS   |
| CCS Cable              | Up to 150A - Air Cooled   |
| CHAdeMO Cable          | Up to 125A - Air Cooled   |
| NACS Cable             | Up to 250A - Air Cooled   |
| Cycle Mode             | 1 x 60kW (Max: 200A)  |
| Parallel Mode          | 2 x 30kW (Max: 200A)  |
| Charging Protocol      | Mode 4, IEC-61851, ISO-15118, DIN SPEC 70121    Mode 4, CHAdeMO 0.9, 1.0      |
| Connector Cable Length | CCS & NACS & CHAdeMO – 16ft (5m) Cable Management included for all connectors |

## Charger Properties TP5-60-480

|                             |   |
|-----------------------------|---|
| Weight                      | 617lbs (280kg)  |
| Dimensions (L x D x H)      | 39.96" x 25.82" x 73.42"                                |
| Display                     | 10" LCD touch screen                                    |
| Ingress Protection          | NEMA 3S (IP54), IK 10                                   |
| Altitude                    | < 6,600ft (2,000m)                                      |
| Operating Temperature       | -20°C to 55°C (-4°F to 131°F)                           |
| Working    Storage Humidity | ≤ 95% RH    ≤ 99% RH (Non-condensing)                   |
| Insulation (input – output) | > 2.5kV   |
| Interface Protocol          | OCPP 1.6J   |
| Access Control              | RFID: ISO/IEC 14443A/B    Credit Card Reader – Optional |
| Power Electronics Cooling   | Air Cooled  |

## Compliance & Safety TP5-60-480

|                                     |   |
|-------------------------------------|---|
| Regulatory Compliance               | UL 2202, UL 2231-2    EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012 |
| Communication Protocol              | Ethernet, 4G, Wi-Fi   |
| Electrical Safety: GFCI             | RCD 20mA Type A   |
| Electrical Safety: Surge Protection | 20kA  |
| Electrical Safety: General          | Over Voltage, Under Voltage, 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                      | Emergency stop button disables output power                                     |
| Metering                            | DC kWh meter per connector  |