



# TELLUS POWER GREEN DC FAST CHARGER

## 120 kW Charging Station

### FEATURES

- Powerful Compact All-In-One DC Charger
- Simple Air-Cooled Power Modules
- Easy to Maintain
- Parallel Charging Feature
- Available in 750VDC and 1000VDC
- OCPP 1.6
- Credit Card Reader



## Tellus Power Green DC Fast Charger Specifications



| Product Number                      | TP4-120-480   | TP5-120-480 |
|-------------------------------------|---|-------------|
| Input                               | 480VAC (3P+N+PE)  |             |
| Frequency                           | 60Hz  |             |
| Output Voltage                      | 150-750VDC  | 150-1000VDC |
| Output current                      | 0 to 200A   |             |
| FLA    Breaker Rating               | 160A    200A  |             |
| Connectors                          | CCS1<br>CCS1 and CCS1<br>CCS1 and CHAdeMO                             |             |
| Cyclic Charge Mode                  | CCS1 - 200 A    CHAdeMO – 125 A                                       |             |
| Parallel Charge Mode (Optional)     | 60 kW per Port  |             |
| Efficiency                          | ≥94% at nominal output power  |             |
| Power factor                        | > 0.98  |             |
| Operating Temperature               | -22°F to 131°F (-30°C to 55°C )                                       |             |
| Altitude                            | < 6600' (2000m)   |             |
| Working    Storage Humidity         | ≤ 95% RH    ≤ 99% RH (Non-condensing)                                 |             |
| Weight                              | 840 lbs (380kg)   |             |
| Display                             | 7" LCD with touch screen  |             |
| Access Control                      | RFID: ISO/IEC 14443A/B    Credit Card Reader - Optional               |             |
| Dimensions (L x D x H)              | 29" x 26.5" x 72"   |             |
| Protective Class                    | NEMA 3S, IK10   |             |
| Power Electronics Cooling           | Air Cooling   |             |
| Charing Protocol Standards          | Mode 4 - IEC-61851, ISO-15118, DIN 70121<br>Mode 4 - CHAdeMO 0.9, 1.0 |             |
| Length of charging cable            | 16ft (5m)   |             |
| Interface protocol                  | OCPP 1.6J   |             |
| Communication                       | Ethernet , 4G/Wi-Fi   |             |
| Insulation (input-output)           | >2.5 kV   |             |
| Electrical Safety: GFCI             | RCD 20 mA Type A  |             |
| Electrical Safety: Surge Protection | 20 kA   |             |
| 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                           |             |
| Regulatory Compliance               | UL-2202    EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012  |             |

