



TELLUS POWER GREEN

TELLUS POWER GREEN BIDIRECTIONAL (V2G) DC FAST CHARGER

40kW V2G DC Fast Charging Station

FEATURES

- Compact All In One DC Fast Charger
- Configurable Output Power Settings
- 7" Touch Screen
- OCPP 1.6 & 2.1 Compliant
- Bidirectional Charger
- Max capacity upto 44kW

Model # TP-V2G-40-480



TELLUS POWER GREEN V2G DC FAST CHARGER

Specifications



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|-------------------------------------|--|
| Product # | TP5-40-480-V2G-1 |
| Model # | TP-V2G-40-480 |
| AC Input / Output | 480VAC (3P+N+PE) |
| Frequency | 45Hz – 65Hz |
| DC Voltage (Input / Output) | 150-1000VDC (Charging) 300-1000VDC (Discharging) |
| Output current (DC) | 0 to 150 ADC |
| Output current (AC) | 0 to 53A (40kW) 0 to 60A (44kW) |
| FLA Breaker Rating | 53A 70A (40kW) 60A 75A (44kW) |
| Connectors | Single CCS1 (Dual CCS1 Optional) |
| Efficiency | ≥94% at nominal output power |
| Power factor Range | >0.98 @50%~100% full load (Charging) 0.8 Leading ~ 0.8Lagging (Discharging) |
| Display | 7" touch screen |
| Access Control | RFID : ISO/IEC 14443A/B |
| Operating temperature | -22°F to 131°F (-30°C to 55°C) |
| Altitude | 6500' (2000m) |
| Working Storage Humidity | ≤ 95% RH ≤ 99% RH (Non-condensing) |
| Dimensions (L x D x H) | 35.22" x 29.51" x 73.44" |
| Protective Class | NEMA 3S (IP54), IK10 |
| Cooling system | Air cooling fans |
| Weight | 617 lbs (280kgs) |
| Installation | Pedestal / ADA (Optional) |
| Voltage Regulation Accuracy | +/- 0.5% |
| Steady Current Accuracy | +/- 1% |
| Ripple Factor | < 1% |
| Total Harmonic Distortion | < 5% (Full Load) |
| DC Charge System | Mode 4 - IEC-61851, ISO-15118-2, ISO-15118-20, SAE J2847-2, DIN 70121 |
| Charging cable | 16ft (5m) – Standard 25ft (7.5m) - Optional |
| Communication Protocol | Ethernet, 4G/WiFi OCPP 1.6 and 2.1 |
| 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 UL1741-SA and SB IEEE 1547 CSA C22.2 |