



TELLUS POWER GREEN

TELLUS POWER GREEN BIDIRECTIONAL (V2G) DC FAST CHARGER

30kW V2G DC Fast Charging Station

FEATURES

- Small, Compact DC Fast Charger
- Configurable output power settings
- 7" Screen
- OCPP 1.6 and 2.1 Compliant
- Bidirectional Charger

Model # TP-V2G-30-480



TELLUS POWER GREEN V2G DC FAST CHARGER

Specifications



Product #	TP5-30-480-V2G-1
Model #	TP-V2G-30-480
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 100 ADC
Output current (AC)	0 to 40A
FLA Breaker Rating	40A 50A
Connectors	Single CCS1
Efficiency	≥94% at nominal output power
Power factor Range	>0.98 @50%~100% full load (Charging) 0.8 Leading ~ 0.8 Lagging (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)	24" x 14" x 32" (Wall Mount)
Protective Class	NEMA 3S (IP54), IK10
Cooling system	Air cooling fans
Weight	265 lbs (120kgs)
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