



TELLUS POWER GREEN

TELLUS POWER GREEN DC FAST CHARGER

20kW V2G DC Fast Charging Station

Model : TP-V2G-20-480

FEATURES

- Small, Compact DC Fast Charger
- Configurable output power settings
- 7" Screen
- OCPP 1.6 and 2.1 Compliant
- Bidirectional Charger
- Max capacity upto 22kW



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Specifications



Product #	TP5-20-480-V2G-1
Model #	TP-V2G-20-480
AC Input / Output	480VAC (3P+N+PE), 60Hz
Frequency	50Hz / 60Hz (Charging) 45Hz – 65Hz (Discharging)
DC Voltage (Input / Output)	150-1000VDC (Charging) 300-1000VDC (Discharging)
Output current (DC)	0 to 73 ADC
Output current (AC)	0 to 28A
FLA Breaker Rating	28A 35A/40A
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)
Operating Temperature	22°F to 131°F (-30°C to 55°C)
Working Storage humidity	≤ 95% RH ≤ 99% RH (Non-condensing)
Altitude	< 6600ft (2000m)
Display	7" LCD with touch screen
RFID system	ISO IEC 14443A/B
Dimensions (l x d x h)	24" x 14" x 32" (Wall Mount)
Protective Class	NEMA 3S, IK 10
Cooling System	Air cooled
Weight	242 lbs (110kg)
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 1.6J & OCPP 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 & SB IEEE 1547 CSA C22.2

