

DC FAST CHARGER

300 kW Charging Station



**Model :
TP-EVPD-300kW**



Product #	HPC-300-480-2
Model #	TP-EVPD-300kW
Maximum Power	300 kW
Output Voltage	150 – 1000 VDC
Max Output Current	Up to 500A
Input Voltage Frequency	480V (3P + N + PE) 60 Hz
Input Current Breaker Rating	400A 500A
Power Factor	>0.98
Efficiency	>94% at nominal output power
Connector Options	Dual CCS1
CCS Cable	500A Liquid Cooled
Cycle Mode	1 x 300kW (Max: 500A)
Parallel Mode	2 x 150kW (Max: 350A)
Charging Protocol Standards	Mode 4, IEC-61851, ISO-15118, DIN 70121 Mode 4
Connector cable length	CCS - 13 ft (4 m)
Cable Management	Included
Weight	1765 lbs (800 kg)
Dimensions (L x D x H)	41" x 37.4" x 90"
Insulation (input – output)	>2.5 kV
Ingress Protection	NEMA 3S (IP54), IK10
Altitude	<6,600ft (2,000m)
Operating temperature	-30°C to 55°C (-22°F to 131°F)
Working Storage Humidity	≤ 95% RH ≤ 99% RH (Non-condensing)
Display	10" touch screen
Communication Protocol	Ethernet, 4G/WiFi OCPP 1.6J
Access Control	RFID: ISO/IEC 14443A/B Credit Card Reader (Optional)
Metering	DC kWh meter per each connector
Power Electronics Cooling	Air Cooled
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
	Output power disabled when output is short circuited
Electrical Safety: Output Short	Temperature Sensors @ Charge Coupler and Power Electronics
Electrical Safety Temperature Emergency Stop	Disables output power with emergency stop button
Regulatory Compliance	UL-2202 CSA C22.2#107.1:2016 EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/AT:2011/AC:2012