OpenEVSE

OpenEVSE - EV Charging Station Controller

PLUS v5

The OpenEVSE **PLUS v5** is a Universal Electric Vehicle Charging Station Controller. It is ideal for volume production Worldwide for **SAE J1772** and **IEC Type 1 - 2** Charging Stations. OpenEVSE has a rich feature set and advanced communications protocol for smart connected features.

Quantity Pricing is Available: Please contact up for Pricing and Lead times

Specifications		PLUS v5	
AC Input			
Operating Voltage		90 - 264 VAC	
AC Frequency		50 or 60Hz	
Output			
Current	1 Phase	6A - 80A	
	3 Phase	6A - 63A	
DC Relays	12v DC	2 outputs - 200ma (2.5w) Total	
AC Relay	AC Line	1 Line level output - 900ma	
Output Power	120V	720 W – 2880 W	
	208 VAC	1248 W - 8320 W	
	240VAC	1440 W – 10000 W	
Sensors/Features			
Display	Type	OpenEVSE i2c LCD 16 Character 2 Lines	
	Backlight	Monochrome	Color
Temperature	Sensor	MCP8908	DS3231
	Type	Ambient	Ambient
Real Time Clock Station Based Timers		DS3231	
Current Measurement Display - kWh added		CR8450-1K-T7QC	
Wi-Fi - Energy Monitoring		Optional	Optional
Session Options	Add x kWh	CR8450-1K-T7QC	
	Charge x min		
Safety			
Power Interlock		Yes	
Pilot Signal		Yes	
Ground Monitoring		Yes	
Ground Fault Interrupt		15ma - 20ma	
Welded Contact Detection		Yes	
Self test		Power-on and before energizing	
Throttle	50%	65°C - 150°F	
	25%	68°C - 155°F	
	Shutdown	71°C - 160°F	
	Resume 100%	62°C - 145°F	
Electric Vehicle ID		Yes	
Ventilation Check		Yes	
Warranty			
Standard		1 Year	
Physical			
Weight		90g (0.2 lbs)	
Dimensions		Tiny... 65mm (2.5") x 45mm (1.75") x 20mm (1")	
Hole Spacing		59mm (2.32") x 38mm (1.49")	
Operating Temperature		-40°C - -40°F to 71°C - 160°F	

PLUS v5

Features:

Universal Power

SAE J1772

IEC Type 1 - 2

Level 1 or 2 Charging

Adjustable Current

Serial Remote API

Open Source:

Hardware

Firmware

Optional:

Display

Temperature

Clock

Current

Wi-Fi

Energy Monitoring