

# MAQUINA EVSE

Intelligent EV Charging Stations

Unico  
POWER



## The Maquina™ family of Level 2 EVSEs

- Uses industry standard OCPP 1.6j protocol
- Integrated with Unico Power's Energy Management System to produce a truly intelligent charging solution designed specifically for Multi-Unit Residential and Commercial Buildings.
- Simple, Flexible, and Lower Cost

### FEATURES

- True real time demand based energy management
- Wall, Pedestal, or even Ceiling mounted
- NEMA Type 4 Enclosure
- Communication via ultra secure Long Range (LoRa) wireless technology
- Can be daisy chained to provide up to 18 EVSEs on a single circuit
- Ultra Flexible configuration allows EVSEs to be supplied from any electrical panel
- Available standard 40 Amp and 50 Amp and settable to any limit up to maximum output
- Smartphone or PC activation and control
- SAE J1772 Standard Adapter fits all EVs sold in North America\*
- UL and CSA Listed EVSE

\* Tesla vehicles use an adapter that is provided with every vehicle sold

### BENEFITS

- Real-time, automatic control of charging levels ensures that EV charging costs are minimized, tracked, and allocated. Not all energy management systems do this
- Application based control eliminates the need to carry yet another fob or RFID card
- On site controller operates and tracks usage even if the building's internet fails
- The LoRa radio signals are ultra long range and can penetrate multiple layers of concrete, eliminating the need for cellular repeaters
- The ability to run a dozen or more EVSEs on one circuit, and to supply these circuits from any electrical panel, significantly reduces infrastructure costs for both new and retrofit installations
- Unico Power's Energy Management System approach allows integration with future load and supply management features including Heat Pumps, A/C, Batteries, Solar, Demand Response, and Building Automation

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Integrated LoRa radio communication. Range of up to 3 km



Activation, Monitoring, Billing and History via smartphone or PC.

## SPECIFICATIONS

Enclosure Type	NEMA Type 4	Power Output	8.3 kW (208 VAC, 40A)-, 9.6kW (240 VAC, 40A)
Supply Voltage	177-270 VAC 60 Hz	Operating Temperature	-40 to +55° C Ambient
Input/Output Current	40A (Standard), 50A Software Settable (16-50A)	Ventilation	Not required. Not for use with electric vehicles requiring ventilation
Failsafe Current	System settable (0-8A).	Mounting	Wall, Pedestal, Ceiling
Weight	5.9kg (13 lbs) with standard cable	Communication	OCCP 1.6j, LoRa Long Range 915 MHz, 802.11 b,g,n (WiFi)
Dimensions (W X H X D)	18.7cm X 33.8cm X 8.5 7 in X 13.3 in X 3 in	Safety and Certifications	UL/CSA Listed (UL 2231, UL 2251), OCP,OTP, UTP Energy Star Compliant 
Charging Connector	SAE J1772 Type 1	GFCI	20 mA CCID20,
Charging Cable	25 Feet (7.5m) 3C10AWG + 1C18AWG 600V Type EVE	Options	Supply cable 30cm with NEMA 14-50 Plug End or hardwired
Country of Origin	Made in Vietnam, Tariff Free under CPTPP		