Aclara

EV2c - Level 2 EVSE

By Aclara

Aclara's EV2c is a Level 2 EVSE that offers utilities real time visibility and control of electric vehicles by utilizing an integrated meter that communicates over secure AMI networks. As EV adoption continues to grow so does the load on the grid. More than 85% of EV charging will take place at home using Level 2 EVSEs, which will be the largest residential load. It is common for EVs to charge at 11.5 kW, effectively tripling the peak demand of many homes. To improve grid reliability and protect existing infrastructure (like distribution transformers), utilities need both real-time charging intelligence and the ability to control EV load, which is inherently flexible. Aclara's EV2c empowers utilities to monitor and dynamically control EV charging, leveraging factors such as time of day location, and real-time grid conditions. This enables utilities to balance the load on their systems, optimizing and safeguarding existing grid infrastructure.

Features

- Level 2 Charging - Provides charging support to any battery electric or plug-in hybrid vehicle
- User Charging Data - Learn when and where EV owners are charging their vehicles
- Revenue Grade Metering - Metrology is based on existing Aclara technology so accuracy is guaranteed
- EV Charging Control - Offers immediate load management control
- AMI Communications - Collects billing data quickly and efficiently

Application

Residential

General

Available Forms	N/A
Compatibility	Aclara RF and Cellular
Humidity	5% to 95% relative humidity
Ingress Protection	NEMA 3R
Operating Temperature	-30°C to +50°C (-22°F to 122°F)

Dimensions

Depth	5.5 in
Height	24.4 in
Width	10.2 in

Electrical Ratings

Current / Amperage Rating	
	• 16 A
	• 24 A
	• 32 A
	• 40 A
	• 48 A
Frequency Rating	60 Hz
Voltage Rating	208 to 240 V

Certifications And Compliance

Industry Standard(s)	
	• UL 991
	• UL 1998
	• UL 2231-1
	• UL 2231-2
	• UL 2251
	• UL 2594
	• ANSI C12.1-2014 (limited)
	• ANSI C12.20-2015 (limited)
	• ANSI C12.18
	• ANSI C12.19
	• SAE J1772

Product Assets

3D Product View - ACL_EV2c_level_2_EVSE
Literature - Aclara EV2c: Utility Controlled EV Charging
Specifications - EV2c - Level 2 EVSE