

Simply smarter.

Level 2 Wall Mount Charger

Simply Smart Wall Mount Design

Electric Vehicle Supply Equipment (EVSE) provides the transfer of electrical energy from the utility to the vehicle. Level 2 charging (240 volt AC input) is the primary and preferred method for charging vehicles in residential and commercial facilities. The ECOTALITY design provides intelligent user-friendly features to easily and safely charge electric vehicles.

Benefits of ECOTALITY's Unique Binary Wall Mount Design

- Simplifies the installation process
- Convenient configuration for a wide variety of physical layouts
- Easy to use, ADA compliant
- Convenient cable management for long reach and storage between uses
- Connector holster for protection and storage
- Intuitive connector docking

J1772 Standard EV Connector

The SAE J1772 is the standard for electric vehicle charging in the United States.

- Ergonomic design
- Prevents accidental disconnection
- Grounded pole - first to make contact, last to break contact
- Designed for over 10,000 cycles
- Can withstand being driven over by a vehicle
- Safe in wet or dry use

Energy Meter

- Internal meter to monitor energy and demand usage
- Supports energy usage data evaluation
- Supports electric utility EV billing when certified to ANSI 12.20 and IEC standards

Touch Screen

- Convenient, user-friendly touch screen display
- Charge status
- Charge statistics and history
- Easily programmable start/stop timing allows coordination with electric utility on/off peak time of use rates
- Find charging stations away from home - Not part of the EVSE UI





Proven technology and reliable safety



Features

- Charge circuit interruption device (CCID) with automatic test
- Ground monitoring circuit
- Nuisance-tripping avoidance and auto re-closure
- Cold load pickup (randomized auto-restart following power outage)
- Certified energy and demand metering
- Wireless IEEE 802.11g
- LAN capable
- ZigBee SEP 1.0 capable
- AMI interface capable
- Web-based bi-directional data flow
- Cord management system

Additional Features

- Smart Phone Applications for status charges and notification of completion or interruption of charge
- Controllable output to support utility demand response requests
- Multiple input current settings to conveniently accommodate electric service capabilities
- Communication systems, multiple modes of communications including wireless, cellular, LAN and Zigbee

ECOtality's Blink Level 2 Electric Vehicle Supply Equipment (EVSE) Specifications

Input Voltage	208 VAC to 240 VAC +/- 10%
Input Phase	Single
Frequency	50/60 Hz
Input Current	30 Amps (maximum); 12A, 16A, 24A available
Breaker Size	40 Amps; settings at 15A/20A/30A available
Output Voltage	208 VAC - 240 VAC +/- 10%
Output Phase	Single
Pilot	SAE J1772-compliant
Connector/Cable	SAE J1772-compliant; UL-rated at 30A maximum
Cable Length	18 feet (estimated)
Exterior Dimensions	Wall Mount: 18" W x 22" H x 5-9/16" D Cord Mount: 18" Diameter
Temperature Rating	-22° F (-30° C) to +122° F (+50° C)
Enclosure	NEMA Type 3R; sun-and-heat-resistant
Mounting	Wall-mount or pedestal

Safety

- Interlocks with EV drive system so EV cannot drive when connector is inserted in vehicle inlet
- De-energizes EVSE if connector and cable are subjected to strain
- Charge current interrupting device (CCID) with automatic test feature for personal protection
- Connector parts are de-energized until latched in vehicle inlet
- Meets all National Electric Code requirements

Standards and Certifications

- SAE J1772 compliant
- NEC article 625 electric vehicle charging system
- UL and ULc to 2594