TES 40 Series Charging Station

We designed the TES 40 Series Home Charging Station for drivers who want to charge their electric vehicles safely and in the privacy of their home. With innovative features, the 40 Series allows for maximum power delivery, greater convenience, and the advanced technology drivers need to ensure their vehicle is ready to go!

Key Features

- Level 2 Charger (240V) with flexible amperage up to 50A
- WiFi Enabled
- Easy-to-Read OLED Display
- Long 25-foot Cable
- Easy Installation

Other Features

- Charges approximately 37 miles of range per hour
- J1772™ Plug is compatible with all electric or plug-in hybrid vehicles
- Wireless allows for remote access and over-the-air firmware
- Smart phone app conveniently pre-schedules a charging session, power shares, and locks the station
- Alexa Voice Control
- NEMA 14-50 electrical plug or hard-wired option
- Flexible configuration: power output level (16-50 A) can be configured to accommodate a range of circuit breakers
- Fleet-ready: will support power sharing & fleet vehicles in the future
- 3-Year Warranty

Power Specs

AC Power Output, maximum	Level II: 12kW {240VAC@50A)
AC Power Input	Level II: 50A; line 1, line 2 and GND (no neutral)
Ports Per Charging Station	One
Vehicle to Charger Connection	SAE J1772 EV Connector, 25ft Cable
Energy Metering Accuracy	+-1%
Standby Power	3.9W typical
Service Panel Breaker	2-pole, common trip 20-80A circuit breaker

Safety Specs

Safety, Ground Fault Circuit Interrupt	20mA CCID with auto retry (every 15 seconds)
Automatic Plug-Out Detection	Pwr terminated per SAE J1772 spec
General Safety Compliance	UL 2231-1, 2231-2, UL2594 and NEC Article 625

Network Specs

Data Communication	WiFi
Network Communication Protocol	OCPP
Network Security	HTTPS-WSS; 128 bit AES Encryption

Communication Device Specs

LED Array	High visibility, multi-color visual status indication
LED Display	Graphical OLED

Environmental Specs

Outdoor Rated	NEMA 3R
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30 degree C to +50 degree C ambient

Other Specs

Surge Protection	6kV@3,000A
EMI Compliance	FCC Part 15 Class B
Dimensions	15" H (21" with cable holder) x 6.25" W x 6" D
Approximate Shipping Weights	15 lbs.
Installation / Use	Wall Mount/ Indoor and Outdoor
Wall and Cable Mount	Integrated

For more information on Terra Energy Services and our products, please call 800.990.2234 or visit terraenergyservice.com