

TES 50 Series *SmartCharge*

The TES 50 Series is ideal for properties with assigned parking spots and makes it easy for individual tenants to personalize their car charging experience. With its innovative features, this personal EV charging station will allow for greater energy efficiency and the technological advancements today's renters want.



Designed for the use of one driver with a dedicated parking space and supports monthly billing.

- Users will be able to charge their cars right at their assigned spots
- The SemaConnect Network allows you to easily manage EV Charging Stations and add new stations or drivers
- Drivers pay a monthly fee for their charging, plus the cost of electricity and parking at their designated spots

Features

- Wireless Technology communicates with the network and produces real-time data
- Rugged Aluminum Enclosure prevents damage from nature and natural elements
- Built-In electricity metering to manage your electricity cost
- Users will be able to charge their cars right at their assigned spots
- Interactive LED lights to quickly identify the station status
- Backlit LCD screen for easy reading of costs and station status
- Smart card authentication creates easy access for EV Drivers





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ENERGY SERVICES BY **ACDI**



Power Specs

AC Power Source	208/240V, center grounded, 60Hz supply
Power to Electric Vehicle	30A maximum, 7.2kW@240VAC
Branch Circuit Protector	2-pole, common trip, 40AMP
Vehicle-to-Charger Connection	SAE J1772™ EV Connector via 18ft Cable
Energy Metering Accuracy	1% at 5min intervals; 0.5% capable
Standby Power	5 mA typical

Safety Specs

Personal Protection System	Charging Circuit Interrupting Device (CCID)
	Trip Threshold 5mA, CCID 5 per UL2231-2,
	Auto reset with 15min delay
Automotive Unplug Detection	Charger output voltage terminated
Codes and Standards Compliance	UL 2231-1, 2231-2 and UL2594 compliant,
	NEC Article 625 compliant

Network Specs

Wide Area Network	Commercial CDMA or GPRS cellular network
Network Security	128-bit AES Encryption
Smart Card Reader	ISO 15693 (iCLASS), ISO14443 (MIFARE, DESFIRE)

Charger Status Displays

LED Array	270° visibility, multi-color visual status indicator
LCD Screen	2 lines, 16 characters per line, back lit

Environmental Specs

Outdoor Rated	NEMA 3R
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-22 °F to 122 °F (-30 °C to +50 °C)

Other Specs

Surge Protection	6kV@ 3,000A per UL 2231-2
EMI Compliance	FCC Part 15 Class A, IC RSS-210
Dimensions	11" H x 7.5" W x 7.5" D
Approximate Shipping Weights	Head unit and cable: 35 lbs.
	Base pedestal: 22lbs.
	Wall mount bracket: 8lbs.
Dimensions	15in high x 6in wide x 6in deep

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

