

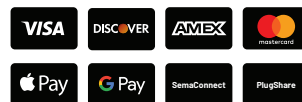
## TES 80 Series *SmartCharge*

We designed the TES 80 Series EV Charging Station for commercial applications where drivers are likely to pay with a credit card. With our built-in credit card reader, drivers don't need a network membership to charge their vehicle. This is perfect for all commercial applications, including shopping malls, hospitals, municipal parking, and any retail location.

- Two EV charging plugs / supports two parking spots
- Easily implement desired pricing policy: Duration-based (hourly), Time-of-Use, and kWh
- Credit card reader accepts all major credit cards
- Supports physical and contactless payment options
- Create access policies for public, private, or multi-group
- Sharing features include:
  - Real-time availability
  - Station wait list feature
  - Alerts / notifications
  - Charging status
  - Smart card authentication
  - Pay with PlugShare
- Large display delivers instructions, rates, and details
- Video camera for future applications (e.g. vandalism, theft)
- Optional cable management system



PAYMENTS ACCEPTED





# TERRA

ENERGY SERVICES BY **ACDI**

## Power Specs

AC Power Output, maximum (per port)	Level II: 11.52kW output (240VAC@48A)
AC Power Input (per port)	Level II: 48A; Line 1, Line 2 and GND (no neutral)
Ports Per Charging Station	Two
Vehicle to Charger Connection (per port)	SAE J1772 EV Connector, 18ft Cable
Energy Metering Accuracy	+/-1%
Standby Power	5.75 W Typical
Service Panel Breaker (per port)	Dual-pole trip 60A breaker, dedicated circuit

## 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: SMS/email
General Safety Compliance	UL 2231-1, 2231-2, UL2594 and NEC Article 625

## Network Specs

Data Communication Cellular	Cellular 4G LTE
Network Communication Protocol	OCPP
Network Security	HTTPS-WSS; 128 bit AES Encryption

## Communication Device Specs

LED Array	High visibility, multi-color visual status indication
Display	Color LCD, 480 x 272
Operating Temperature	-30°C to 50°C ambient

## Environmental Specs

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

## Other Specs

Surge Protection	6kV@3,000A
EMI Compliance	FCC Part 15 Class A
Dimensions	24" H x 7.4: W x 9" D
Approximate Shipping Weights	Device: 21.7 lbs. Pedestal Mount: 12.5 lbs. Wall mount bracket: 11.5 lbs.
Installation	Indoor / Outdoor
Wall and Cable Mount	Integrated

For more information on Terra Energy Services, please visit [energyoptions.pro](http://energyoptions.pro)