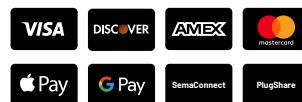# TERRA
ENERGY SERVICES BY ACDI

TES 80+ Series *SmartCharge*

Feature-rich like the TES 80, the all-new TES 80+ Series EV Charging Station packs a robust output of up to 19.2kW! Designed to keep up with evolving EV battery technologies, this device is sure to attract EV drivers with higher AC input charging capabilities. More powerful and still 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

VISA · DISCOVER · AMEX · mastercard

Apple Pay · G Pay · SemaConnect · PlugShare

ENERGY SERVICES BY ACDI

Power Specs

AC Power Output, maximum (per port)	Level II: 19.2kW output (240VAC@80A)
AC Power Input (per port)	Level II: 80A; 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 100A 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 and our products, please call 800.990.2234 or visit terraenergyservice.com

ACDI