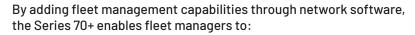# TERRA
ENERGY SERVICES BY **ACDI**

TES Series 70+ *SmartCharge*

Our most powerful Level 2 charger, 19.2kW (80A), and has all the same features of the Series 70. It features a sleek, elegant design, a slim footprint, and rugged aluminum casing. The Series 70+ is the most powerful Level 2 fleet charging solution on the market and is a cost-effective solution for EV fleets that want to maximize power while minimizing costs.

By adding fleet management capabilities through network software, the Series 70+ enables fleet managers to:

- Configure a custom fleet program by individual vehicle and major vehicle type or both
- Track departure, return times, and energy delivered to each vehicle
- Schedule both start and stop of charging sessions to take advantage of off-peak and partial peak electricity rates
- Receive alerts to notify exceptions in return times, departure times, and energy delivered
- Generate a robust set of reports and analytics

Features

- High Powered Level 2m- 19.2kw
- Sleek, elegant design
- Compact form factor
- Commercial-grade aluminum body
- "At-a-Glance" LED status
- Rugged outdoor-rated enclosure
- Full warranty Replacement Policy

Smart Features

- Feet Vehicle Management
- Feet Access Control
- Feet Manager Portal
- Late Plug-In/Plug-out Alerts
- Session Data and Analytics
- State of Health Monitors
- Load Management Ready

Power Specs

AC Power Output, maximum (per port)	Level II: 19.2kW (240VAC@80A)
AC Power Input (per port)	Level II: 80A; Line 1, Line 2 and Earth (no neutral)
Ports Per Charging Station	Two
Vehicle to Charger Connection (per port)	SAE J1772 EV Connector, 18ft Cable
Energy Metering Accuracy	1% at 15 min interval (standard), 0.5% optional
Standby Power	6.5W 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	TCP/IP
Network Security	HTTPS; 128-bit AES Encryption

Communication Device Specs

LED Array	High visibility, multi-color visual status indication
LCD Screen	4 line, 16 characters per line

Environmental Specs

Outdoor Rated	NEMA 3R per NEMA250-1997
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30degC to +50degC ambient

Other Specs

Surge Protection	6kV@3,000A
EMI Compliance	FCC Part 15 Class A
Dimensions	18in high x 7in wide x 7in deep
Approximate Shipping Weights	Head Unit & Cable - 28 lbs.
	Pedestal Mount - 11 lbs.
	Wall Mount - 10 lbs

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