



A revolution in transportation is happening.

The new generation of electric vehicles has arrived !

At SemaConnect, we are passionate about developing innovative products to help grow the use of electric vehicles around the world.

ChargePro™

Electric Vehicle Charging Solution

The ChargePro is the perfect solution for charging electric vehicles in multifamily, office, retail, hotel, fleet and public charging applications. The system is easy, convenient and safe to use and maintain. Rugged, weather-resistant construction ensures reliable performance over the long term, and an ergonomic interface makes it effortless to use.

Key Features

- Smart Card authentication
- Energy metering
- Automated payment system
- Web-based network management
- SmartGrid enabled
- Compatible with all new generation electric vehicles



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ChargePro™ 620

AC Level 2

Technical Specifications

Power Specs	
AC Power Source	208/240V, center grounded, 60Hz supply 3-wire; Phase A, Phase B, ground (no neutral)
Power to Electric Vehicle	32A maximum, 7.7kW@240VAC
Branch Circuit Protector	2-pole, common trip, circuit breaker Breaker rating 125% of load (40A for 32A load)
Vehicle-to-Charger Connection	SAE J1772 EV Connector via 18ft Cable (supplied)
Energy Metering Accuracy	1% at 5 min intervals, 0.5% accuracy (optional)
Time-of-Use Metering	Charger support provided
Standby Power	5W typical
Safety Specs	
Personnel Protection System	Charging Circuit Interrupting Device (CCID) Trip Threshold 20mA, CCID20 per UL2231-2 Auto reset with 15 minute delay
Automatic "Unplug" Detection	Charger output voltage terminated Remote notification via SMS or email (owner configured)
Codes and Standards Compliance	Listed to UL 2231-1,-2 and UL2594 NEC Article 625 compliant
Network Specs	
Local Area Network	2.4GHz 802.15.4 dynamic mesh network
Wide Area Network	Commercial CDMA or GPRS cellular network
Network Communication Protocol	TCP/IP
Network Security	HTTPS; 128-bit AES Encryption
Maximum Charging Stations per LAN	128
Smart Card Reader	ISO 15693 compliant
Charger Status Indicating Displays	
LED Array	270deg visibility, multi-color visual status indication
LCD Screen	2 lines, 16 characters per line, backlit
Environmental Specs	
Outdoor Rated	NEMA 3 per NEMA 250-1997, IP44 per IEC 60529
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30degC to +50degC ambient
Other Specs	
Surge Protection	6kV@3,000A per UL 2231-2, Extra protection optional
EMI Compliance	FCC Part 15 Class A
Approximate Shipping Weights	Head unit and cable: 28 lbs Bollard pedestal: 22 lbs, Wall mount bracket: 2 lbs
Dimensions	18in high x 6in wide x 6in deep