

## Technical Specifications

<b>SemaConnect Charging Station Technical Specification</b>	
<b>Power Specs</b>	
AC Power Output, maximum	Level II: 7.2kW (240VAC@30A)
AC Power Input	Level II: 30A; Line 1, Line 2 and Earth (no neutral)
Vehicle to Charger Connection	SAE J1772 EV Connector, 18ft Cable
Energy Metering Accuracy	1% at 5 min interval (standard), 0.5% optional
Standby Power	5W typical
Service Panel Breaker	Dual-pole 40A breaker, dedicated circuit
<b>Safety Specs</b>	
Safety, Ground Fault Circuit Interrupt	5mA CCID with auto retry (15 min delay, 3 tries)
Automatic Plug-Out Detection	Power terminated per SAE J1772 specification: SMS or email notification
General Safety Compliance	UL Certified; CCID per UL 2231-1, -2; Meets UL2594; NEC Article 625 Compliant
<b>Network Specs</b>	
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
<b>Communication Device Specs</b>	
LED Array	270deg visibility, multi-color visual status indication
LCD Screen	2 line, 16 characters per line
<b>Environmental Specs</b>	
Outdoor Rated	NEMA 3 per NEMA250-1997, IP44 per IEC 60529
Operating Humidity	Up to 95% non-condensing
Operating Temperature	-30degC to +50degC ambient
<b>Other Specs</b>	
Surge Protection	6kV@3,000A
EMI Compliance	FCC Part 15 Class A
Approximate Shipping Weights	Head unit and cable: 28 lbs Bollard pedestal: 22 lbs, Wall mount bracket: 3 lbs
Dimensions	20in high x 6in wide x 6in deep