

Electric Era Charging Stations Spec Sheet 2026

The first EV fast charging
solution built from the
ground up for Retailers



Station Specifications



		RE400	RE200
Charging Kiosk	Output Voltage Range	150-1000V	150 - 1000 VDC
	Max Power @ 800V	640kW	400kW
	Max Power @ 400V	320kW	200kW
	Continuous Current	0-600A	0 - 350A
	Peak Boost Current	800A	500A
	Dimensions (W×H×D)	23" W x 77" H x 9.8" D	23" W x 77" H x 9.8" D
	Weight (with mounting plate)	250 lbs.	240 lbs.
	Operating Temperature Range	-25°C to +50°C	-25°C to +50°C
	Cooling Method	Liquid Cooled	Air Cooled
	Max. Operating Altitude	3,000 m (9,843 ft)	3,000 m (9,843 ft)
	Cable Design	NACS (or CCS1)	NACS (or CCS1)
		Length: 3.4m liquid cooled	Length: 3.4m air cooled
	Protection Degree	NEMA 3R, IK10 Touch Screen	NEMA 3R, IK10 Touch Screen
	Operating Noise	< 60dBA @ 1m	< 60dBA @ 1m
Charging Cabinet	Supported Charging Kiosks	2-6	
	AC Input Voltage	480 VAC +/- 10%, 3P+N+PE	
	AC Input Current	2x506A	
	Total DC Output Power	800kW	
	Max distance to kiosk	50m	
	Dimensions (W×H×D)	41" W x 87" H x 57" D	
	Weight (with mounting plate)	2270 lbs.	
	Operating Temperature Range	-25°C to +50°C	
	Max. Operating Altitude	3,000 m (6,561ft)	
	Max Efficiency	>96.5% (Full Load)	
	Operating Noise	< 65dBA	
Driver Interface	Touchscreen	27", 1500nit, 1080p	
	Camera	4K Wide FOV	
	Audio	High fidelity audio output and input with dynamic volume control and noise suppression	
	AI	HaloAI Charging Assistant	
Communication	Backend Support	OCPP 1.6J (Core: Supported), OCPP 2.0.1 (Core: Supported)	
	Charging Interface Protocol	DIN 70121, ISO 15118-2,-20 (Plug & Charge)	
	User Authentication	RFID (ISO/IEC 14443 A/B), NFC, ICC Reader	
	Payment Methods	Swipe, Insert, Tap	
	Network Connection	Ethernet, 4G LTE/5G, Starlink	
Standards Compliance	UL 2202, UL 2231-1/2, J2894, OCPP 1.6J/2.0J, OCPI 2.2.1, ISO15118 w/ Plug & Charge, ADA		

Questions? Contact us at sales@electriceratechnologies.com

Battery Energy Storage System (BESS)

Specifications

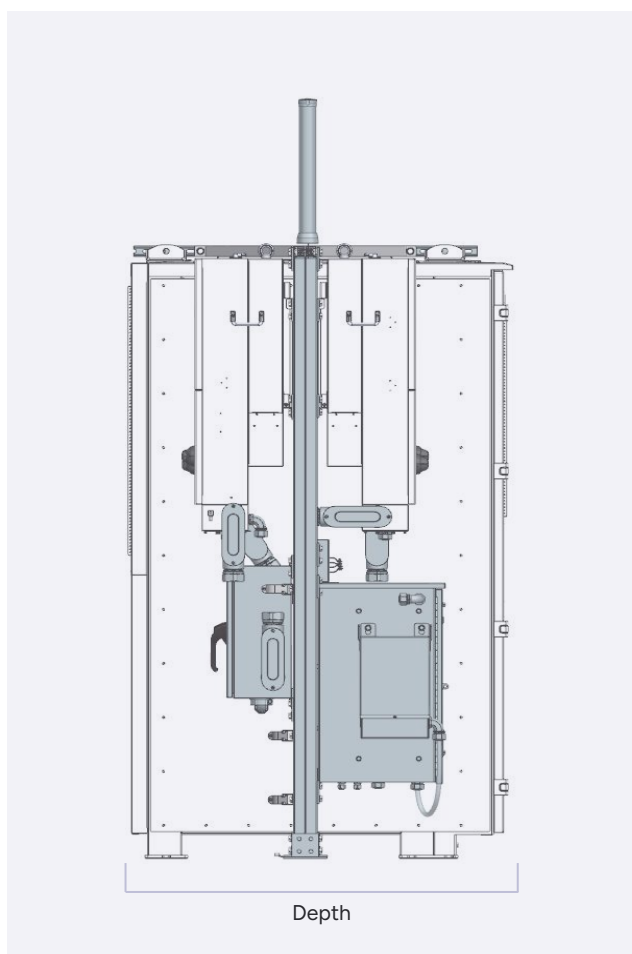


		Battery Model	
		125 kW Battery	250 kW Battery
Main AC Input and Output Characteristics	AC Line Voltage and Phase	480 VAC 3-Phase	480 VAC 3-Phase
	AC Line Frequency	60 Hz	60 Hz
	Rated Output Apparent Power	125 kVA	250 kVA
	Rated Output Real Power	125 kW	250 kW
	Required Input/Output Overcurrent Protection	1 x 200 A Circuit	2 x 200 A Circuits
	Power Factor	0-1.00, Leading or Lagging	0-1.00, Leading or Lagging
	Current Harmonics	IEEE 1547 Compliant, <5% TDD	IEEE 1547 Compliant, <5% TDD
	Round Trip Efficiency <i>including typical control power loads</i>	82%	82%
Control Power and Communications Characteristics	AC Line Voltage and Phase	480 VAC 1-Phase	480 VAC 1-Phase
	AC Line Frequency	60 Hz	60 Hz
	Input Power	3.5 kVA	5.5 kVA
	Required Input Overcurrent Protection	20 A	20 A
	Site Communications	Chargers: Ethernet (CAT6); Power Metering: Modbus RTU (RS-485)	Chargers: Ethernet (CAT6); Power Metering: Modbus RTU (RS-485)
	Internet Communications	5G Cellular, Multi-Carrier	5G Cellular, Multi-Carrier
High Voltage DC Battery Subsystem Characteristics	Battery Cell Chemistry	Lithium Iron Phosphate (LFP)	Lithium Iron Phosphate (LFP)
	Rated Charge Capacity	285 Ah	285 Ah
	Total Energy Capacity	237 kWh	379 kWh
	Rated Energy Capacity <i>at 25°C, 1C charge/1C discharge, 5 - 98% SoC</i>	220 kWh	352 kWh
	Nominal Voltage	832.0 V	1,331.2 V
	Maximum Charge Voltage	949.0 V	1,497.6 V
	Minimum Discharge Voltage	740.0 V	1,164.8 V
	Maximum Charging Current	285 A	285 A
	Maximum Discharging Current	285 A	285 A
Mechanical Characteristics	Size (maximum) <i>H x W x D, see key image below</i>	114 ½" x 76 ⅞" x 51 ¼" (2,905 mm x 1,933 mm x 1,300 mm)	114 ½" x 98 ¾" x 51 ¼" (2,905 mm x 2,509 mm x 1,300 mm)
	Weight (maximum)	6,526 lbs (2,960 kg)	8,922 lb (4,047 kg)
	Battery Module Quantity	5	8
	Battery Module Cooling	Liquid Cooling (50% Ethylene Glycol Aqueous Solution)	Liquid Cooling (50% Ethylene Glycol Aqueous Solution)

Battery Specifications cont.

		Battery Model	
		125 kW Battery	250 kW Battery
Environmental Limits	Operating Temperature	-25 to +45 °C	-25 to +45 °C
	Storage Temperature	-30 to +60 °C	-30 to +60 °C
	Humidity	≤95% R.H. Non-Condensing	≤95% R.H. Non-Condensing
	Operating Altitude	≤ 6,561 ft (≤ 2,000 m)	≤ 6,561 ft (≤ 2,000 m)
	Protection Class	IP66 (Battery Rack), NEMA 3R (Ancillary Rack)	IP66 (Battery Rack), NEMA 3R (Ancillary Rack)
Certification and Standards Compliance	Battery Modules	UN38.3, UL 1973, UL 9540A, IEC 62619	UN38.3, UL 1973, UL 9540A, IEC 62619
	Battery Rack	UL 1973	UL 1973
	Inverter(s)	UL 1741 SA, IEEE 519, IEEE 1547, CSA 22.2 #107.1, NFPA 70	UL 1741 SA, IEEE 519, IEEE 1547, CSA 22.2 #107.1, NFPA 70

Side



Front

