



Boost Charger™

Ultrafast Charging Without the Additional Infrastructure

The FreeWire Boost Charger is a powerful battery-integrated DC charger for EVs. Easily connecting to existing electrical infrastructure, it can be set up without costly construction or permitting. With 160 kWh of battery capacity and 120 kW output, the Boost Charger is ready for current and next generation electric vehicles. Recharging with up to 27 kW from the grid, the Boost Charger enables ultrafast charging using the same infrastructure as L2 chargers and up to 40% lower cost of installation versus comparable fast chargers. Deliver high-quality power while significantly reducing costly demand charges utilizing the Boost Charger’s battery-integrated platform.

The Benefits



Lower Energy Costs: energy-buffering technology can take advantage of off-peak electricity rates (requires FreeWire AMP™ subscription).



Easy Setup: recharges from a single-phase or three-phase connection



Powerful: charge EVs at up to 480 miles of range per hour



Efficient: install up to six Boost Chargers with the same grid connection as one conventional charger



Dual Port: equipped with a CHAdeMO and a CCS port, the Boost Charger can charge two EVs simultaneously





The Difference

Intelligent cable management design to allow different parking and car configurations



Side access with modular battery design for easy assembly and maintenance



Large screen in ADA-compliant height



The Details

Electrical Specifications

Output Power	120 kW total, two vehicles at 60 kW each, one vehicle at 100 kW max
Output Voltage (DC)	200 V – 500 V
Output Connectors	Dual-port: CHAdeMO and CCS
Energy Chemistry	Lithium nickel manganese cobalt oxide
Energy Capacity	160 kWh

Electrical Specifications (Input)

Power	Up to 27 kW
Voltage (AC)	3Ø Y 208 V 1Ø 240 V
Current	3Ø: 100 A service, 88 A typical 1Ø: 150 A service, 132 A typical
Frequency	50 / 60 Hz ± 1%

Mechanical Specifications

Dimensions	91 cm (36") W x 107 cm (42") L x 236 cm (93") H
Weight	1,588 kg (3,500 lbs)
Operating Temperature	-20° C to +55° C
Environmental Rating	IP 54
Communications	4G LTE
Screen	61 cm (24") ruggedized LCD touchscreen