

EVMO-208V Series (NA)

30 - 60 kW Mobile DC Fast Chargers



Movable DC Fast Chargers.

Immediate Deployment. Total Flexibility.

System Features

High Maneuverability

- Mobile design enables charging vehicles in place, eliminating unnecessary vehicle movement and significantly improving operational efficiency.

Up to 60 kW DC Output

- Reduces vehicle downtime and increases fleet productivity by charging more vehicles in less time without relying on fixed infrastructure.

Wide Grid Compatibility

- Designed to operate across a wide range of AC input voltages, enabling deployment in different grid environments without additional power conversion equipment.

Interchangeable Charging Cables

- Supports CHAdeMO, CCS1, CCS2, and GB/T, configurations, ensuring compatibility across global EV platforms with a single charger.

Vehicle-Optimized Configuration

- Power module selection enables charging profiles tailored to vehicle voltage requirements, maximizing efficiency and charging performance.

Purpose-Built Mobile Design

- Ideal for fleets, EV manufacturers, and test centers, providing mobile DC fast charging across service bays and production environments.

Variable Output Power Table

0 - 500 VDC (120 A) Module - Variable Output Power Table

Vehicle Battery Voltage	50	100	150	200	250	300	350	400	450	500
Output Power (kW)	6	12	18	24	30	36	42	48	54	60

0 - 920 VDC (60 A) Module - Variable Output Power Table

Vehicle Battery Voltage	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	920
Output Power (kW)	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	55





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System Specifications

Model numbers shown as X/Y indicate installed power (X) and maximum scalable power (Y).
e.g. 30/60 = 30 kW installed, scalable up to 60 kW.

Output Specifications

Model Number	EVMO-30/60-208V (NA)	EVMO-60/60-208V (NA)
Charging Standards	CCS1, CCS2, CHAdeMO, & GB/T	
Output Power	Variable output power up to 30 kW (refer to the table for power output by module configuration and vehicle voltage)	Variable output power up to 60 kW (refer to the table for power output by module configuration and vehicle voltage)
Upgradeable Power	Increase power by adding a 30 kW module up to 60 kW*	-

Output Voltage Range & Max. Output Current 0 - 500 VDC (at 120 A) or 0 - 920 VDC (at 60 A)

Peak Efficiency 95%

Input Specifications

Input Voltage	190 - 250 VAC
Input Frequency	50 / 60 Hz
Input Type	3Phase + N + PE or 3Phase + PE (no neutral)
Power Factor	0.99
THDi	<5%

General Specifications

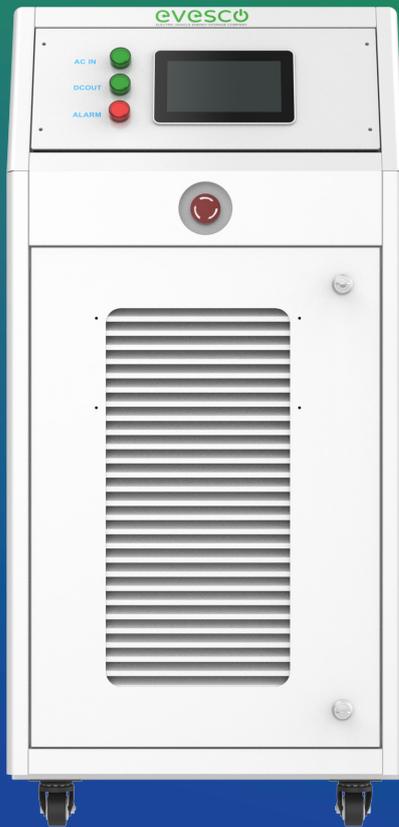
Com Protocol	OCPP1.6J
Com Interface	4G / Wi-Fi
Authentication Modes	Auto charge and OCPP
Cooling Method	Air cooling
Cable Length	5 m (16.4 ft) and 14 m (45.9 ft) charging cables available
Display	10" LCD touchscreen
Operating Temperature	-22°F (-30°C) to 149°F (65°C)
Humidity	5 - 95% Rh non-condensing
IP Rating	IP54
Dimensions W x D x H	530 x 766 x 1133 mm 20.9 x 30.2 x 44.6 in
Weight	145 kg 320 lbs
Weight	155 kg 342 lbs

Protection Under-voltage protection, over-voltage protection, DC over-current protection, over-temperature protection, surge protection device, emergency stop protection, overload protection, short circuit protection

Standards/Certification IEC 61851, IEC 62196, DIN 70121

Warranty 3 years (optional extended warranty available)

* Adding more modules increases the required input current and may necessitate upgrades to on-site electrical components to maintain safe and reliable operation.



**Ready to take control of your
EV charging future?**

Contact us at
evesco@power-sonic.com
to accelerate your electrification strategy.

