

EVMO-30/60 & EVMO-60/60 (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.

Immediate Deployment

- Connects directly to an AC industrial outlet with no permitting or site preparation required, allowing charging operations to begin immediately.

Interchangeable Charging Cables

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

Wide Output Voltage Range

- Delivers consistent DC fast charging across diverse vehicle architectures, from legacy EVs to next-generation high-voltage platforms.

Purpose-Built Mobile Design

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



EVMO-30/60-NACS+ and EVMO-60/60-NACS+ models include an additional input port for an NACS charging cable.

Only one charging port may be used at any given time.



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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 (NA)	EVMO-60/60 (NA)	EVMO-30/60-NACS+ (NA)	EVMO-60/60-NACS+ (NA)
Charging Standards	CCS1, CCS2, CHAdeMO, & GB/T		CCS1, CCS2, CHAdeMO, GB/T, & NACS	
Output Power	30 kW	60 kW	30 kW	60 kW
Upgradeable Power	Increase power by adding a 30 kW module up to 60 kW*	-	Increase power by adding a 30 kW module up to 60 kW*	-
Output Voltage	150 - 1000 VDC			
Max. Output Current	125 A			
Peak Efficiency	95%			

Input Specifications

Input Voltage	480 VAC +/- 10%			
Input Frequency	50 / 60 Hz			
Input Type	3Phase + N + PE or 3Phase + PE (no neutral)			
Input Current	38 A	76 A	38 A	76 A
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	479 x 698 x 756 mm 18.9 x 27.5 x 29.7 in			
Weight	105 kg 231 lbs	130 kg 286 lbs	105 kg 231 lbs	130 kg 286 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.

