



EVMO-30S Specifications

Accelerating mass adoption of electric vehicles by
delivering sustainable fast charging solutions that can be
deployed anywhere

EVMO-30S

30kW Mobile DC Fast Charger

FEATURES

- Designed for mobile EV fast charging
- User-friendly interface with an LCD touchscreen display
- CHAdeMO, CCS1, CCS2, and GB/T compatible with interchangeable charging cables
- Wide input voltage and frequency range suitable for global markets
- High-performance charging module with a wide charging range
- Robust castors for quick and easy movement
- High efficiency at $\geq 95\%$
- Ideal for various applications, including service stations, auto dealerships, fleet operators, and more

SPECIFICATIONS

Charging Outlet	CHAdeMO, CCS1, CCS2, & GB/T interchangeable charging cables
Output Power	30 kW
Output Voltage	150 - 1000 V
Phase/Lines	3-phase + neutral + PE
Supply Input	305 - 520 Vac
Supply Frequency	40 - 65 Hz (+/- 10%)
Efficiency	$\geq 95\%$
Power Factor	≥ 0.99
Stable Voltage Accuracy	$\geq (+/-) 0.5\%$
Stable Current Accuracy	$\geq (+/-) 1\%$
Charging Cable Length	5 m (16.4 feet) or 14 m (45.9 feet)
Soft Start Time	3 - 8 seconds
Emergency Stop Button	Yes
LCD Display	10 inch touchscreen
IP Rating	IP54
Startup Mode	Plug-and-play or RFID card



CERTIFICATION

- CE Directive 2014/30/EU: EN 6100-6-3:2007/A1:2011/ AC:2012, EN IEC 61000-3-2:2019, EN 61000-3-3:2013/ A1:2019, EN 61000-6-1:2007
- EC ROHS directive 2011/65/EU with amendments: IEC 62321:2008, IEC 62321:2013, IEC 62321:2013
- LVD Directive 2014/35/EU: EN 60799:1998
- UL for USA and Canada for EVSE equipment: 30 kW power module and charging cables

SPECIFICATIONS CONT..

Communication Protocol	OCPP 1.6
Connectivity	3G, 4G and Wi-Fi
Operating Temperature	-22°F (-30°C) to 149°F (65°C)
Operating Humidity	5%-95% without condensation
Dimensions (W x L x H) Inch (mm)	18.9 x 27.5 x 29.7 (479 x 698 x 756)
Weight	~105 kg (231 lbs)
Protection	Over/under voltage protection, overload protection, short circuit protection, over/under temperature protection, surge protection, communication failure
MTBF (Mean time before failure)	100,000 hours

- Switch between CHAdeMO, CCS1, CCS2, & GB/T charging cables with untethered design



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