

Green Motion DC 44/66 EV charger Technical datasheet



Powering Business Worldwide

Discover Green Motion DC 44/66 EV charger

Eaton Green Motion DC 44/66 electric vehicle charger is a compact and easy-to-use charging solution designed for charging electric vehicles.



Easy to use

Green Motion DC 44/66 offers a seamless user experience with easy accessibility, a built-in 10" color touch screen, an integrated DC MID energy meter, and secure user authentication.



Safe and secure

Green Motion DC 44/66 features cutting-edge cybersecurity and the highest levels of operational safety with integrated protection mechanisms while providing high power conversion efficiency of up to 96%.



Future-proof

Green Motion DC 44/66 is an electric vehicle charger fully supported by Eaton's sustainable energy ecosystem and solutions.

Technical specifications

Technical disclaimer

All drawings, descriptions or illustrations contained in this document serve to provide a clear overview and/or technical explanation of the present product and its various components and accessories. In line with our goal to continuously improve the products and the customer service we provide, all specifications contained in this document are subject to change without notice.

Technical specifications

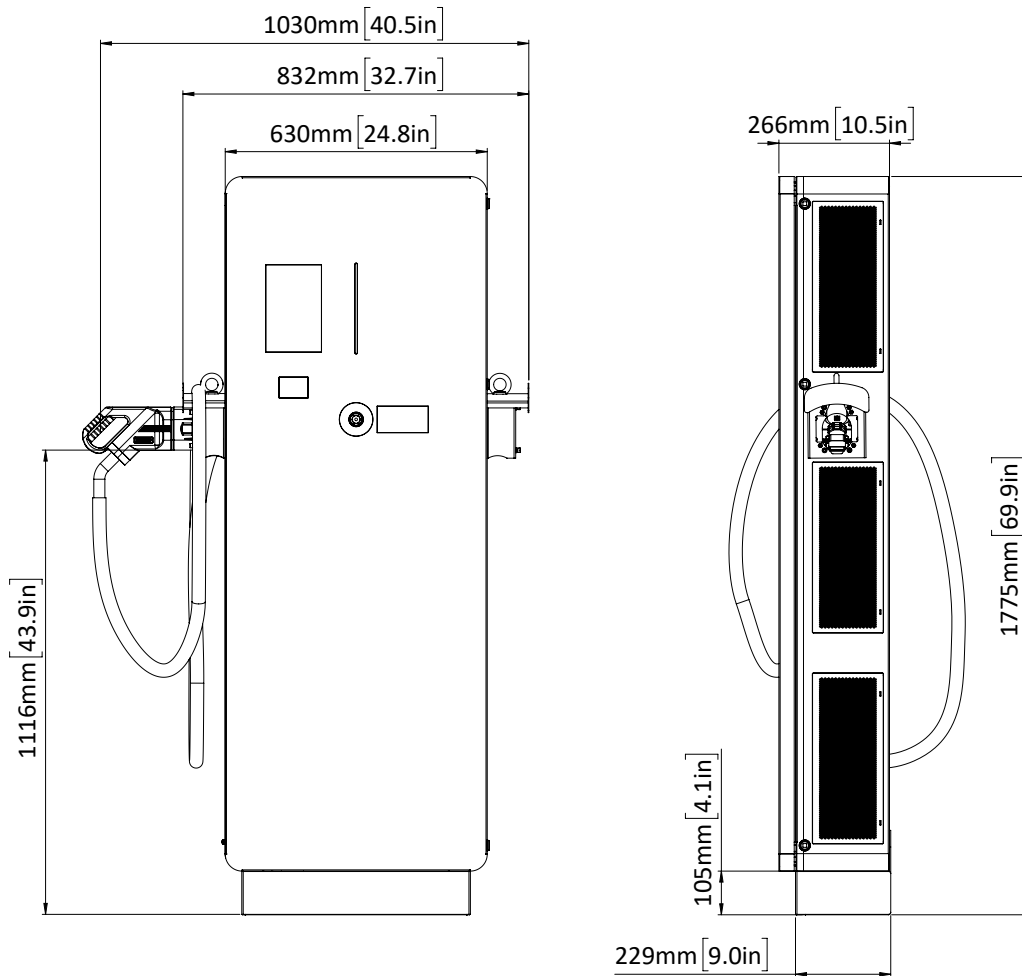
	Green Motion DC 44 Electric vehicle charger	Green Motion DC 66 Electric vehicle charger
Power input		
Input voltage	400 V AC, 50 Hz	
Maximum input current	64 A	96 A
Power factor	> 0.99	
Earthing system	TN, TT	
Power supply system	3-phase	
Power output		
Output power ¹⁾	Up to 44 kW	Up to 66 kW
Output voltage	50 V - 500 V	
Maximum output current	110 A	165 A
Output type	CCS2 or CHAdeMO	
Efficiency	≤ 96%	
User interface and control		
User interface	LED indicator; 10-inch color touchscreen display	
Access Control	RFID, Scan & Charge	
Network interface	Ethernet (RJ45) cable 3G / 4G	
Remote management	Eaton Charging network manager	
Display languages	English, French, and German - other languages on request	
Communication protocol	OCPP 1.6J	
Energy metering (DC output)		
MID	Yes	
LNE	Yes	
Environmental		
Operating temperature	-25 °C to +45 °C	
Altitude	Up to 2000 m	
Installation	Floor-mounted; indoor or outdoor	
Relative humidity	< 95% (non-condensing)	
Mechanical		
Dimensions (H x W x D)	1775 x 832 x 266 mm	
Net weight (without cables)	140 kg	175 kg
Housing material	Stainless steel	
Cooling	Forced air	
Ingress protection rating	IP54	
Impact protection rating (housing)	IK10	
Impact protection rating (touchscreen, RFID, energy meter window)	IK08	
Charging cable length	5 m	
Options		
Software licenses	Eaton Scan & Charge Eaton Charging network manager	
Warranty		
Warranty	2 years	

1) The actual power output may vary due to external factors, such as the available grid power, capacity of the electrical installations, and the electric vehicle model.

Certifications and standards

General	
Low-voltage compliance	IEC 61851-1, IEC 61851-23, IEC 60664-1, IEC 61439-1, IEC 61439-7
Cable	IEC 62196-1, IEC 62196-3
Electromagnetic compatibility	EN IEC 61851-21-2, EN 61000-6-1, EN 61000-6-3, EN 301 489-1
Restriction of Hazardous substances	EN IEC 63000
Protection	Overcurrent, undervoltage, overvoltage, residual current protection, surge protection, short circuit, overtemperature, ground fault, galvanically insulated output stage
Communication	
CCS2	ISO 15118, DIN 70121
CHAdeMO	0.9/1.2

Figure 1. Dimensions of Green Motion DC 44/66



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