

# Green Motion DC 44/66

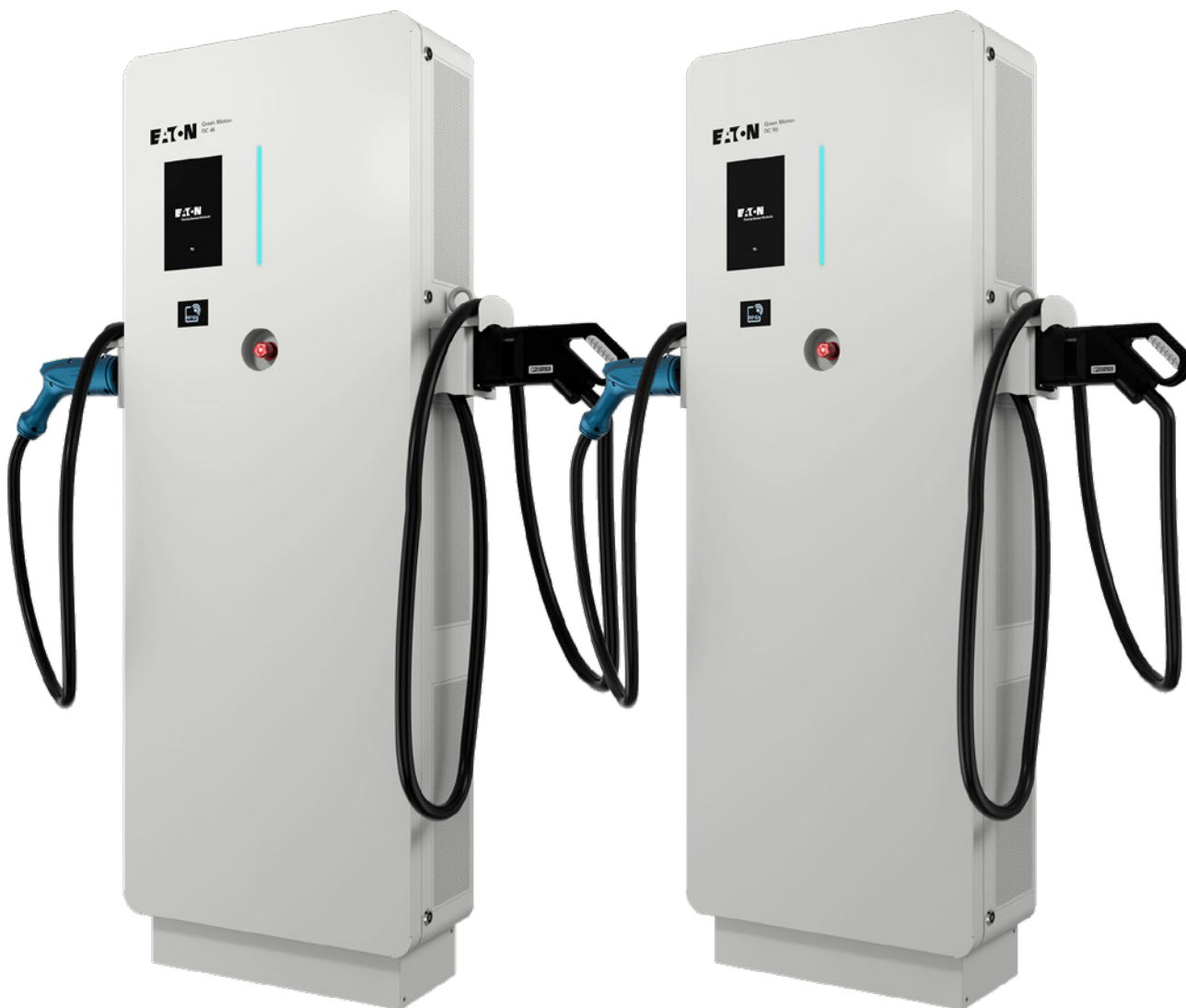
## Technical datasheet



*Powering Business Worldwide*

## Discover Green Motion DC 44 and Green Motion DC 66 EV chargers

Eaton Green Motion DC 44 and Green Motion DC 66 are DC fast chargers designed for charging electric vehicles in public and private parking facilities.



### Fast charging speed, high efficiency

Green Motion DC 44/66 circumvents the limitations of on-board chargers in electric vehicles by powering the vehicle's battery directly. Charger efficiency up to 96% along with low standby consumption, reduce overall operating costs.



### Future-proof charging station

Green Motion DC 44/66 is designed to be Vehicle-to-grid ready (V2G).



### Compact charging station

Green Motion DC 44 and Green Motion DC 66 are the most compact chargers available in their respective ranges on the market to date. Their small footprint enables quick, easy, and cost-efficient installation.

## Technical specifications

### Technical disclaimer

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. 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.

### Technical specifications

	Green Motion DC 44 EV charger	Green Motion DC 66 EV charger
<b>Power input</b>		
Input voltage AC	3 x 400 V 50 Hz	3 x 400 V 50 Hz
Nominal input current AC	3 x 64 A (44 kW)	3 x 96 A (66 kW)
Power factor	> 0.99	> 0.99
Earthing system	TN, TT	TN, TT
Phase	3-phase	3-phase
<b>Power output</b>		
Nominal output power	44 kW	66 kW
Output voltage for the DC range	50 V - 500 V	50 V - 500 V
Output current DC at nominal power	110 A	165 A
Output type	- CCS2 (default) - CCS2 and CHAdeMO (optional)	- CCS2 (default) - CCS2 and CHAdeMO (optional)
Efficiency	≤ 96%	≤ 96%
Simultaneous charging	1	1
<b>User interface and control</b>		
User interface	Visual charge status indicators, 10-inch color touchscreen display	
Access Control	RFID, Scan & Charge	
Network interface	Ethernet cable	
Remote management	Eaton Charging network manager	
<b>Environmental</b>		
Operating temperature	-25 °C to +45 °C	
Altitude	Up to 2000 m	
Mounting options	Floor-mounted; indoor or outdoor	
Humidity	< 95% relative humidity	
<b>Mechanical</b>		
Dimensions (H x W x D) in mm	1775 x 833 x 265	1775 x 833 x 265
Weight of the charging station excluding cables (kg)	175	210
Housing material	Stainless steel	
Cooling	Forced air	
Cable length (m)	5	5
<b>Standards</b>		
Conformity	IEC 61851-1	
Degree of protection	IP54	
Impact strength charger	IK10	
Impact strength screen	IK08	
Communication protocol	OCPP 1.6J	
Bidirectional	Vehicle-to-grid (V2G) ready	
Protection	Overcurrent, undervoltage, overvoltage, residual current, surge protection, short circuit, overtemperature, ground fault, galvanically insulated	
<b>Options</b>		
Cable	CHAdeMO	
Network interface	3G/4G	
Software licenses	Eaton Scan & Charge Eaton Charging network manager	
<b>Warranty</b>		
Warranty	2 years	

### Certifications and standards

<b>General</b>	
Charging mode	IEC 61851-21-1, IEC 61851-21-2, IEC 61851-23 and IEC 61851-24
Insulation	IEC 60664-1
Safety	IEC 61439-1 and IEC 61439-7
<b>Cable</b>	
Version	IEC 62196-1 and IEC 62196-3
<b>Electromagnetic compatibility</b>	
Product	IEC 61000-6-1 and IEC 61000-6-3 IEC 61000-3-11 and IEC 61000-3-12
<b>Communication</b>	
ISO	15118
DIN	70121
CHAdeMO	0.9/1.2

