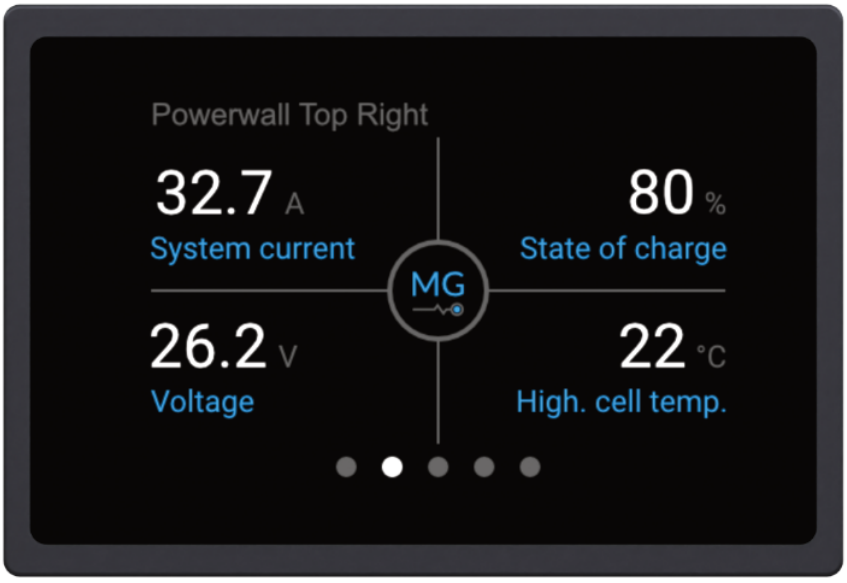
Product Data Sheet

2026-11-09



MG Energy Monitor

MGEMD010001

Description

The MG Energy Monitor is a high resolution touchscreen display. It shows all important battery parameters at a glance. This results in easy control and monitoring of your MG battery system. It provides an overview of the battery system status and gives insight into the energy flows. The compact dimensions and high IP-rating make it suitable for a wide range of applications. It is connected to the BMS CAN-Bus interface of the MG Master LV or HV. The integrated wifi module enables the display to connect to the cloud. This allows you to remotely monitor your system with the MG Energy Portal. Lastly, the Energy Monitor is the ultimate way for adjusting battery and BMS related settings.

Specifications

Environmental

Operating Temperature Range	-20 to +50 °C

Mechanical

Data Connection	CAN Bus M12
Enclosure Material	ABS Glass
Height	70 mm
IP-Protection Class	IP67
Length	103 mm
Power Connection	External power connection M8 (3 pins)
Weight	0.15 kg
Width	39 mm

Screen

Brightness	500 cd/m2
Colours	262K
Dimming	Yes
Resolution	480 x 320
Size (diagonal)	3.5"
Type	TFT

Standards

EMC: Emission	NEN-EN-IEC 61000-6-3:2007/A1:2011
EMC: Immunity	EN-IEC 61000-6-2:2019
Low Voltage Directive	NEN-EN-IEC 60335-1:2012/A13:2017
RoHs	EN 50581:2012

Technical Specifications

Supply Current	150 mA at 12 V 90 mA at 24 V
Supply Voltage Range	12 - 58 Vdc
System Voltage	12 V 24 V 48 V 72 V 96 V ≥ 120 V

Wi-Fi Connectivity

Encryption	WEP/TKIP/AES
Protocol	802.11 b/g/n
RF Certification	CE (RED) FCC IC KCC NCC SRRC TELEC (MIC)
Security	WPA/WPA2

The specifications provided are for informational purposes only and are subject to change without notice. While every effort has been made to ensure the accuracy and completeness of the specifications, MG Energy Systems assumes no responsibility for any errors or omissions.

Logistics

HS code	8517699000
Country of origin	India
Shipping weight	0.3 kg
Classified as dangerous goods	No