

Technical specifications

Technical specifications	12 V 150 A MGMLV120150	12 V 400 A MGMLV120400	12 V 600 A MGMLV120600	12V 1000 A MGMLV121000
Maximum number of connected batteries	96 battery modules of type LFP, HE, UHE, HP or 48 battery modules of type RS			
Supply voltage range	18 ... 58 VDC			
Standby mode power usage	73 mW @ 26,2 V and 138 mW @ 52,4 V			
Active mode power usage	8,7 W			
Main safety contactor current continuous	150 A	400 A	600 A	1000 A
Communication	CAN-Bus (NMEA2000, SMA, custom on request)			
IO				
Aux. output	13,5 V / 1 A, short circuit protection, overcurrent protection			
Allow-to-charge (switched voltage)	13,5 V / 1 A, short circuit protection, overcurrent protection			
Allow-to-discharge (switched voltage)	13,5 V / 1 A, short circuit protection, overcurrent protection			
Allow-to-charge (relay output)	0,8 A @ 60 VDC, potential free			
Allow-to-discharge (relay output)	0,8 A @ 60 VDC, potential free			
Programmable contact (relay output)	0,8 A @ 60 VDC, potential free			
External status signal	13,5 V / 140 mA short circuit protection, overcurrent protection			
Emergency shutdown input (available on M12 CAN-bus connectors)	Emergency shutdown to open main contactor hardwired.			
Enclosure				
Material	ABS (reinforced)			
Dimensions	426 x 225 x 117 mm			
Weight	3,8 kg	4,6 kg	5,7 kg	9,4 kg
Environmental				
Operating temperature range	-20 °C to 50°C			
Humidity	Max. 95% (non-condensing)			
Protection class	IP22			
Standards				
EMC: Emission	EN-IEC 61000-6-3:2007/A1:2011/C11:2012			
EMC: Immunity	EN-IEC 61000-6-1:2007			
Low voltage directive	EN 60335-1:2012/AC:2014			
RoHs	EN 50581:2012			