

11 TECHNICAL SPECIFICATIONS

11.1 MG Master LV 48V 150A/400A/600A/1000A

Technical specifications	150A	400A	600A	1000
Maximum number of batteries in series	2 (= 48 V)			
Maximum number of batteries in parallel	48			
Supply voltage range	18 ... 58 VDC			
Standby mode	73 mW @ 26,2 V and 138 mW @ 52,4 V			
Active mode	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			
Enclosure				
Material	ABS			
Dimensions	185 x 165 x 85 mm			
Weight	4,0 kg	5,0 kg	5,0 kg	5,7 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			