

Technical specifications: 12 V Master LV's

Technical specifications	12 V 150 A	12 V 400 A	12 V 600 A	12 V 1000 A
	MGMLV120150	MGMLV120400	MGMLV120600	MGMLV121000
Maximum number of connected batteries	96 battery modules of type MGLFP120210			
Supply voltage range	8 ... 15 VDC			
Standby mode power usage	63 mW			
Active mode power usage	10.3 W			
Main safety contactor current continuous	150 A	400 A	600 A	1000 A
Communication	CAN-Bus (Victron VE.CAN, NMEA2000, SMA)			
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			
Enclosure				
Material	ABS (reinforced)			
Dimensions	426 x 225 x 117 mm			
Weight	4,4 kg	4,9 kg	6,0 kg	8,6 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			