

# MLS 12/130



Product code: 65010010

The MLS series is the MLI Ultra's smaller brother, for use in a small system where reducing weight/volume and/or increasing cycle life is key. It is specifically designed to be as easy as possible to install. The MLS series comes with an integrated safety disconnect. This saves installation and commissioning time, but reduces the maximum allowable charge/discharge rate. While the MLS series is a little less heavy duty than the MLI Ultra series, it gives an ideal entry to Lithium Ion technology. Perhaps consider replacing your existing lead-acid battery?

- Easy entry into Lithium Ion technology.
- Drop-in replacement for lead-acid batteries.
- Saves up to 70 % in space and weight.
- Three times the lifespan of traditional batteries (2000 cycles).
- High cycle efficiency.
- Fast charging up to one hour.
- High discharge rate up to 1C.
- Integrated Battery Management System (BMS) with passive balancing.
- Integrated automatic safety disconnect.
- Safest Lithium Ion chemistry available (LiFePO4).
- Tested and certified according to UN38.3.
- Two year warranty.

# Specifications

## General specifications

Nominal battery voltage	12 V
No-load voltage, fully charged	12,8 V
Nominal battery capacity	10 Ah
Nominal battery energy capacity	128
Max. charge current	10 A (1 C)
Max. continuous discharge current	10 A (1 C)
Max. short discharge current	for 30 seconds 25 A (2,5 C)
Peak discharge current	for 2 seconds 48 A (4,8 C)
Cycle life	~2000 at 80 % DoD
Battery terminals	M5
Mounting position	upright or either long side
Max. outer dimensions (incl. terminals/grip handles), lxxwxh	151 x 65 x 102 mm 5.9 x 2.6 x 4.0 inch
Weight	1,5 kg 3.3 lb

## Technical specifications

Battery chemistry	Lithium Iron Phosphate
Protection degree	IP65 (electronics cabinet)
Parallel connection	yes, max. 3 batteries
Series connection	no
Protections	over voltage, under voltage, over temperature
Safety disconnect	yes, electronic