

MLI Ultra 12/2500



Product code: 66012500

The MLI Ultra series is designed to be able to enjoy all the best properties of Lithium Ion technology in the harshest conditions (high charge/discharge currents, wet environment, mechanical shock or vibrations). To do this the MLI Ultra batteries bring two things on top of a selection of the finest Lithium-iron phosphate cells: a sturdy, waterproof housing and the best Battery Management System (BMS). The BMS includes active cell balancing for optimal use of each individual cell, even during fast charge and discharge, integrated battery monitoring to always have the best information on the state of your battery. Last but not least, it has MasterBus communication to the Mastervolt battery charger to ensure the best possible recharging and lifetime of the battery.

- Top performance, heavy duty Lithium Ion batteries.
- Ideal for running heavy loads for long periods and short charge times.
- Saves up to 70 % in space and weight.
- Three times the lifespan of traditional batteries (2000 cycles).
- High cycle efficiency.
- Fast charging up to half an hour.
- High discharge rate up to 3C.
- MasterBus communication with every Mastervolt battery charger.
- Integrated Battery Management System (BMS) with active balancing.
- Integrated battery monitoring (Ah consumed, state of charge).
- Series balancing technology optimizes string connection.
- Waterproof electronics cabinet.
- Safest Lithium Ion chemistry available (LiFePO4).
- Tested and certified according to UN38.3.
- Two year warranty.

Specifications

General specifications

Nom. battery voltage	13,2 V
Nominal battery capacity	180 Ah
Nominal battery energy capacity	2500
Max. charge current	500 A (2,8 C)
Max. continuous discharge current	500 A (2,8 C)
Peak discharge current	1800 A (10 C) for 10s
Cycle life	~2000 at 80 % DoD
Battery monitoring	integrated
MasterBus communication	yes
Battery terminals	M8
Mounting position	upright or either long side
Max. outer dimensions (incl. terminals/grip handles), lxxwxxh	341 x 197 x 355 mm 13.4 x 7.8 x 14.0 inch
Weight	31 kg 68.3 lb

Technical specifications

Battery chemistry	Lithium Iron Phosphate
Protection degree	IP65 (electronics cabinet)
Parallel connection	yes, unlimited
Series connection	yes, up to 10 batteries (series balancing up to 2 batteries)
Safety protections	over voltage, under voltage, over temperature
Safety relay	to be added mandatorily, product code 79007700
Safety relay controls	integrated