#### Quick installation

# MLI Ultra 12/1250 & 24/1250

English



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New out of the box, the MLI Ultra is suitable for use in a MasterBus network or as a stand-alone battery. Use the CZone Configuration Tool or MasterAdjust for advanced settings. See the user and installation manual for details.

Press the Battery switch-button for 5 seconds to switch the battery on. LED C (green) will be solid on for one minute.

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Switch on some loads and verify that they are working. Switch off the loads, switch on the charger and verify (charger status) that the battery is being charged. The battery is now ready for operation.

#### MASTERBUS DIP SWITCH SETTINGS

DIP switch		1	2	3	4	5	6	7	8
CZone communication MasterBus communication		0 1							
MasterBus powering disabled MasterBus powering enabled			0 1						
Event-based 'stop charge' can be setup per charger Automatic 'stop charge' for ALL Mastervolt chargers				0 1					
In a multiple unit configuration, one battery is the Primary unit, the others are called replica units. For complex configurations, keep DIP switches 4,5 and 6 of all units off and use MasterAdjust to modify the settings.	Stand-alone unit Replica unit Primary unit in a 12V system Primary unit in a 24V system Primary unit in a 36V system Primary unit in a 48V system				0 0 0 1 1	0 0 1 1 0 0	0 1 0 1 0		
The Battery Management System controls the built-in battery switch. Including switching on again when conditions are safe.	Auto switch-on feature enabled Auto switch-on feature disabled							0 1	
If the battery is switched-off, there will be no voltage at the poles and some (non-Mastervolt) chargers will not start charging.	Battery detect feature disabled Battery detect feature enabled								0 1

See the user and installation manual for details.

#### SPECIFICATIONS

	MLI Ultra 12/1250	MLI Ultra 24/1250			
Product code	66011250	66021250			
Nominal capacity (Cn)	100 Ah	50 Ah			
Nominal energy	1250 Wh	1250 Wh			
Nominal voltage	12 V	24 V			
Bulk/absorption (max charge) voltage	14.25 V	28.5 V			
Float voltage (end of charge)	13.5 V	27.0 V			
Recommended charge current	≤ 50A (0.5C)	≤ 25A (0.5C)			
Max. continuous discharge current	200A (2C)*	100A (2C)			
Peak discharge current (10 seconds)	500A (5C)	250A (5C)			
Operating temperature	<ul> <li>-20 to 50°C [-4 to 122°F]</li> <li>Charging at temperatures below -5°C / 23°F may result in battery not accepting charge current.</li> <li>If a charger is connected and the temperature of the MLI Ultra is below 0°C [32°F], then the internal heater is turned on until 5°C [41°F] is reached or the charger is disconnected. It takes about one hour to get from -20°C [-4°F] to above 0°C [32°F].</li> <li>Temperatures below 5°C / 41°F and above 25°C / 77°F may affect lifetime and</li> </ul>				

\* Due to thermal protection, this high discharge current can be used for 3 minutes at or above an ambient temperature of 25°C [77°F].



Do not dispose of with normal household waste! Act according to local rules.