

Specifications

	Model 12V	Model 24V
Product code:	79007712	79007724
Safety relay:	12V DC 500A	24V DC 500A
Compatible with:	MLI Ultra 12-3000 & 12-6000 MLI Ultra 12-2750 & 12-5500	MLI Ultra 24-6000 MLI Ultra 24-5500
Dimensions:	total height MLI Ultra increases by 65 mm/2.5"	
Weight:	total weight MLI Ultra increases by 2 kg/4.4 lb	
Operating temperature:	-10 to 50°C / 14 to 122°F	
Maximum voltage:	64V	
Current rating:	300A	
Fuse included:	NO	

Fuse rating	Continuous current	5 minutes overload current
400A	300A	400A
350A	260A	350A
300A	225A	300A
250A	185A	250A
225A	170A	225A



WARNING

If the current exceeds 300A, the busbar conductor gets hot!

Warranty

The Mastervolt product warranty covers this product for the first two years after the purchase date. The warranty is limited to the cost of repair and/or replacement of the product. Costs of labor or shipping are not covered by this warranty. Mastervolt cannot accept liability for damage due to the misuse of the product.



Correct Disposal

Contact your local waste disposal department to properly dispose of the unit.



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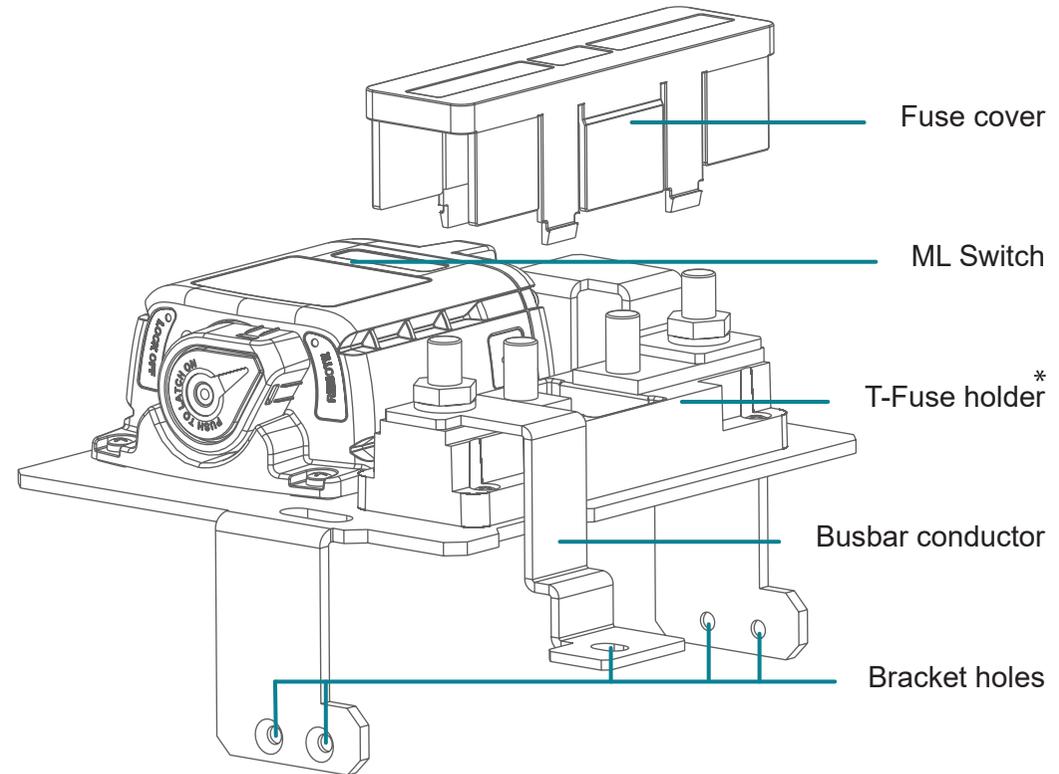
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MLI Ultra Relay and Fuse Connect Kit QuickStart Installation Guide



WARNING

Carefully read the safety instructions that come with the used products, before starting!

If you are not knowledgeable about electrical systems, have an electrical professional install this kit.

* The T-fuse itself is not included in the kit

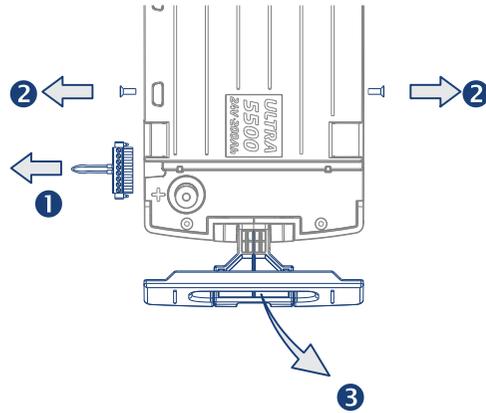
1

Required tools & material

- 13mm / 1/2" socket wrench;
 - 2mm / 1/16" flatblade screwdriver.
 - size 3 allen key;
 - Torque wrench;
 - T-Fuse;
- use a fuse that matches the applied wire size.

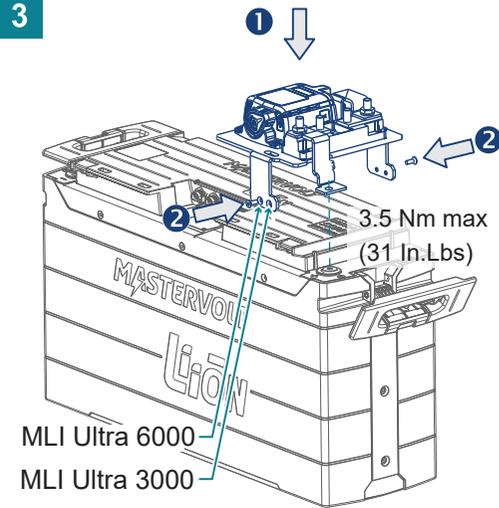
Always dimension cables according to the application and local rules and regulations.

2



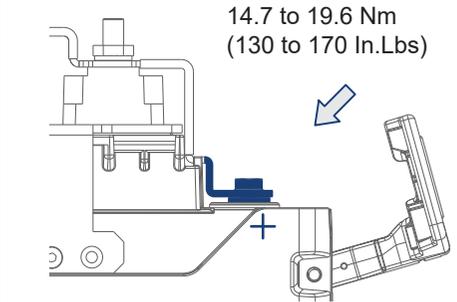
From the MLI Ultra, remove the Battery Safety Connector (1) and on either side the bolt closest to the positive terminal (2). Tilt the positive (right) side handle (3).

3



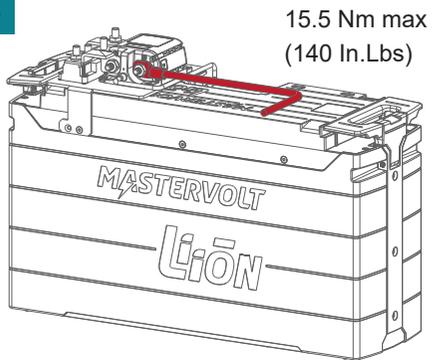
Place the bracket over the MLI Ultra (1), aligning the bracket holes with the holes of the bolts. Tighten the bolts back in place (2).

4



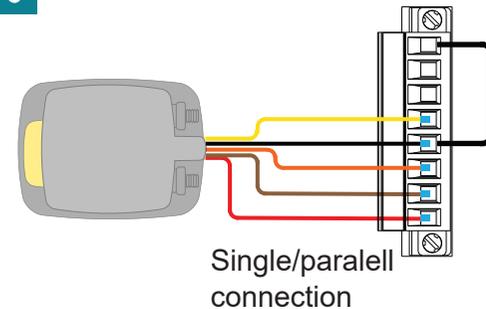
Secure the busbar conductor on the bracket to the positive terminal of the MLI Ultra.

5



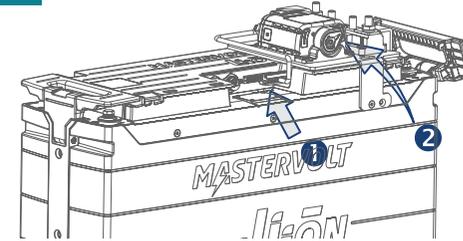
Run the main positive battery cable from the charger side of the system to the B (right) side terminal of the ML switch. Connect the negative cable as described in the user manual of the MLI Ultra.

6



On the Battery Safety Connector, move the jumper wire to pins 4 & 8. Connect the ML Switch wires to the Battery Safety Connector according to the detailed figures in the user manual of the MLI Ultra.

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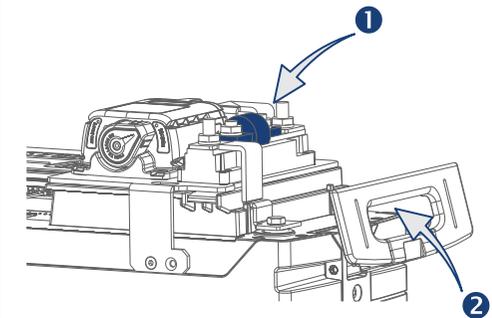


Put the Battery Safety Connector back in place (1). On the ML Switch, set the safety relay knob to "LOCK OFF" (2). Check all wiring and connections.



CAUTION: Make sure all bolts are secure (including the bolts in the connect kit) according to the specified torqs.

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Remove the clear fuse cover and install the T-fuse (1). Place the cover back on the fuse holder. Close the side handle as much as possible (2). It will not close completely.