



48v 13s battery wiring diagram

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In this instructables i will add extra insights for my tutorial on how to assemble a Hailong battery(48v) for E-bike battery.

BE SURE TO CHECK OUT THE VIDEO FOR THE ASSEMBLING PROCESS.

I AM PROVIDING THE LINKS TO THE PARTS AND THINGS I USED ** WHICH ARE NOT AFFILIATED**

Insulation Gasket : [HERE](#)

Before you order your BMS(Battery management system) circuit be sure to check its thickness because there is very little space inside the case.

ALSO CHECK YOUR MOTOR CONTROLLER FOR MAX CURRENT OUTPUT. MINE HAS 45A(MAX) CURRENT RATING SO, THE NEAREST BMS I FOUND HAS 60A(MAX) OUTPUT.

****ALSO THE BMS CONNECTING WIRES SHOULD BE SOLDERED FIRST TO THE NICKEL SHEETS BEFORE WELDING THE SHEETS TO CELLS.****

Follow the correct welding diagram given with the battery kit. IF NOT THEN GOOGLE ABOUT YOUR BATTERY CONFIGURATION AND FIND CORRECT DIAGRAM. EXAMPLE IN MY CASE : 13S5P CONNECTION DIAGRAM.

Mask the battery properly so that it is safe from any kinds of short circuits and accidental shorts.

IMPROPER MASKING OF BATTERY CAN LEAD TO FIRE ACCIDENTS AND DEAD BATTERY.

THE PHOTOS I HAVE PROVIDED ARE JUST COMMON EXAMPLES ON HOW TO DO WIRING AND CONNECTION.**PLEASE CHECK IT WITH YOUR BMS AND BATTERY IF YOU ARE GOING TO FOLLOW!**

Snugly fit all the wires at the edges of the case so that you can close the lid of the case properly.

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