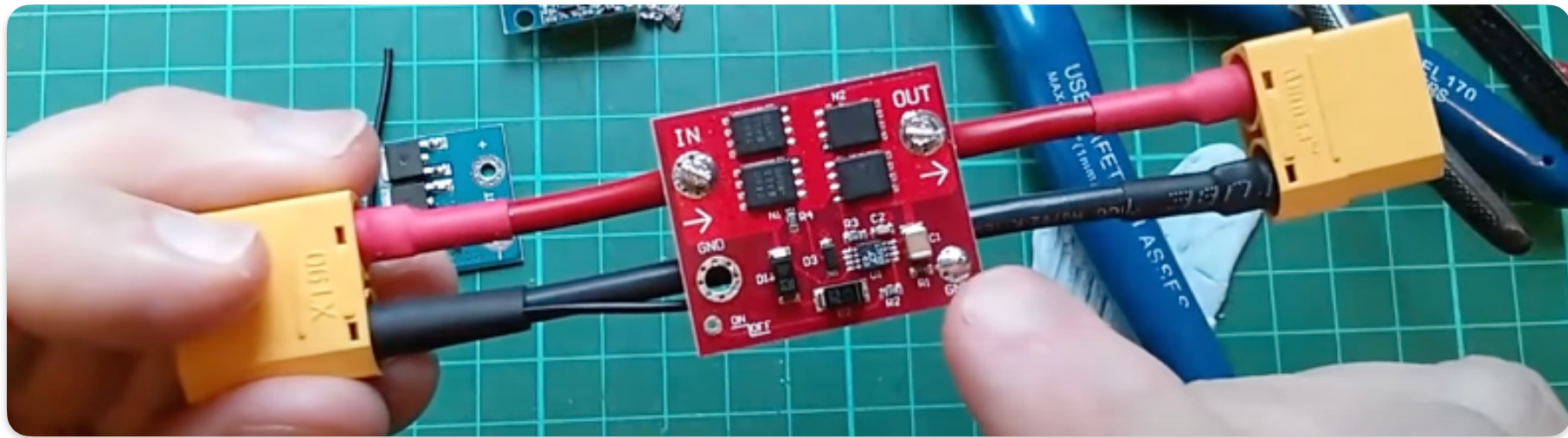
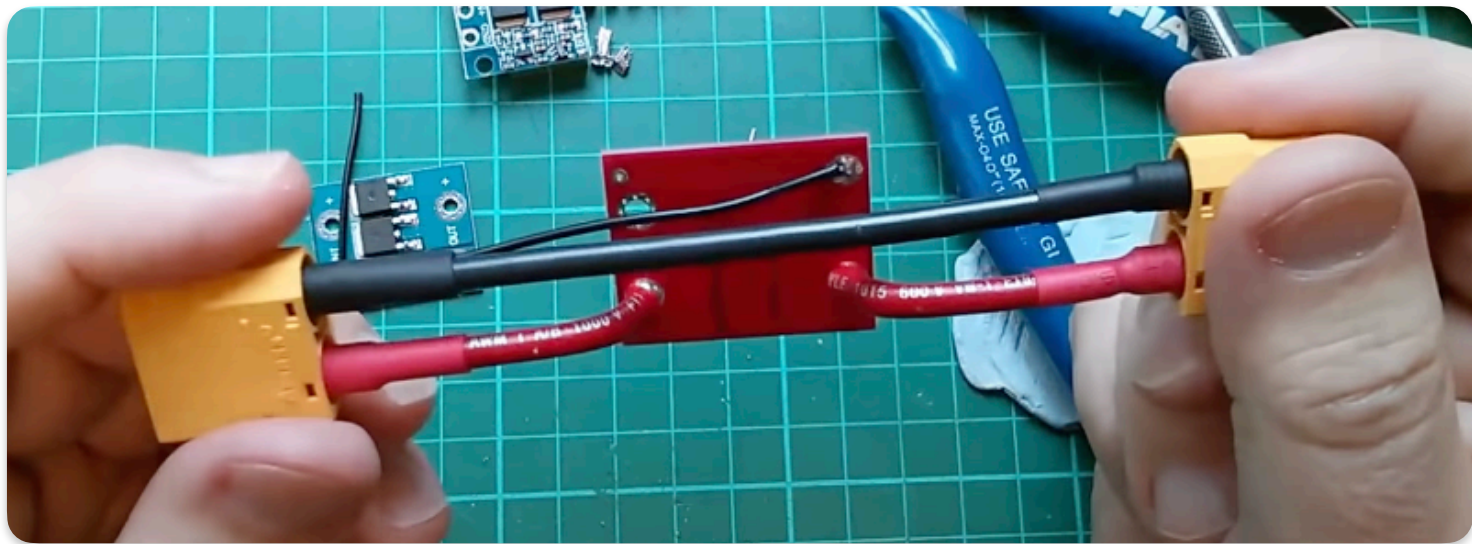


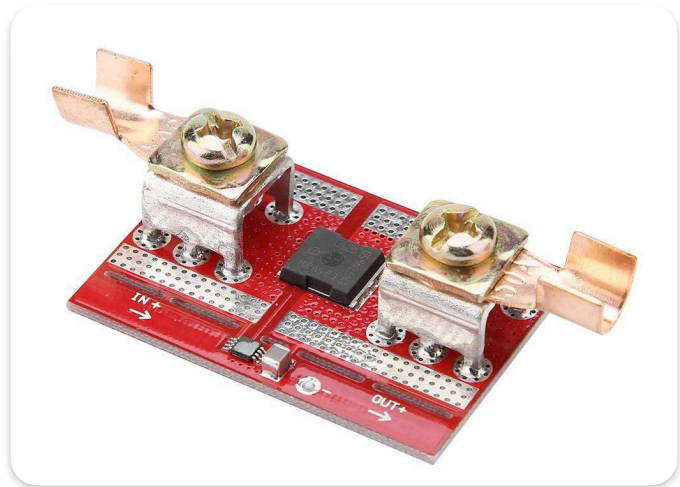
IMPORTANT: Make sure you buy ideal diodes with adequate current and voltage for the task. For example, something that will handle like 60v and 20 amps at least.



Front of ideal diode, responsible for making sure electricity can't flow backwards into either of the source batteries.



Back of ideal diode, both negative connectors do not require to be grounded to the board. In this example I used, I created a reference ground.



This is the type of ideal diode I used as it's easier for a beginner like me to solder to the provided terminals vs to the board. That said a more experience person will save space by using the lower profile board.

