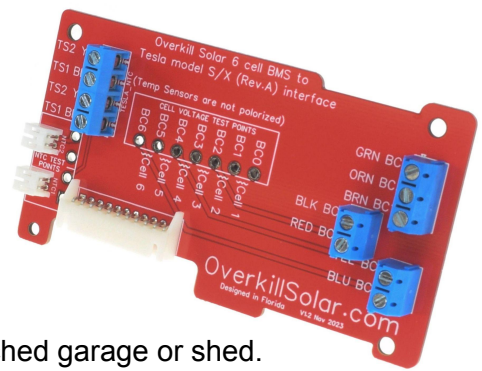




Tesla Rev. A BMS Kit

Instructions



Warnings

Recycled Lithium-Ion battery modules should be installed in a detached garage or shed. Avoid installing these batteries in a dwelling area.

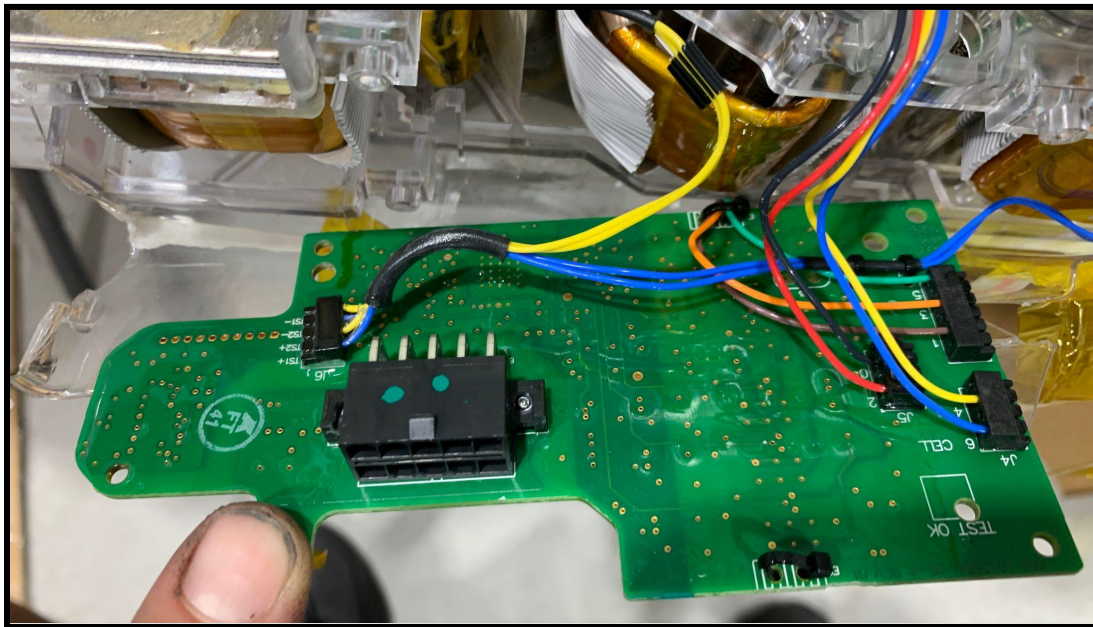
Lithium Ion cells have a high risk of fire which releases toxic fumes. Physical damage, heating, and overcharging can cause a runaway reaction and a fire that's impossible to extinguish.

Used, recovered, recycled, or salvaged battery modules may have hidden damage that makes them more sensitive to further damage.

A single 24v tesla module is unlikely to cause electric shocks, however, voltage over 48v can cause serious electric shocks. Take appropriate steps to avoid electric shocks if you plan to connect battery modules in series.

Step 1: Remove Tesla BMS board

- Remove the clear plastic covers from your Tesla module.
- The bus plates are always live, keep metal tools away!
- Support the module with a block of wood or foam, leave room to work on the board.
- Remove the 4 black plastic retainer pins. Pull each center pin first to release the outer pin.



Watch the
Video
Instructions!

Fig. 1: Rev. A - The balance wires are soldered to the old board.

Step 2: Install the New Interface Board

- Work with one wire at a time to prevent short circuits.
- Cut a balance wire close to the old board, strip the insulation back about 5mm.
- Insert the wire into the screw terminal on the new interface board, tighten the screw.
- Continue to transfer the wires one at a time until complete. Mount the new board with screws.
- Use your multimeter to measure each cell voltage & confirm the health of the cells.

Step 3: Install your BMS

- Connect the blue B- wire to the battery's negative terminal. Torque the bolt to 20 ft-lb.
- Plug in the 11-pin cable to the interface board on one end, and to the BMS on the other end.
- Plug in the 2 2-pin temperature sensor wires to the BMS.
- Mount the BMS as desired. A large cable tie is included that can be used to secure the BMS to the top of the battery.
- Connect the included red wire to the battery's positive terminal. Torque the bolt to 20 ft-lb.
- The BMS is now active and the red and black cables are live.

IMPORTANT:

- Only your BMS's B- wire will connect to the battery's negative terminal!
- Connecting anything else to the negative terminal of your battery module may bypass the BMS protection and increase the risk of fire.

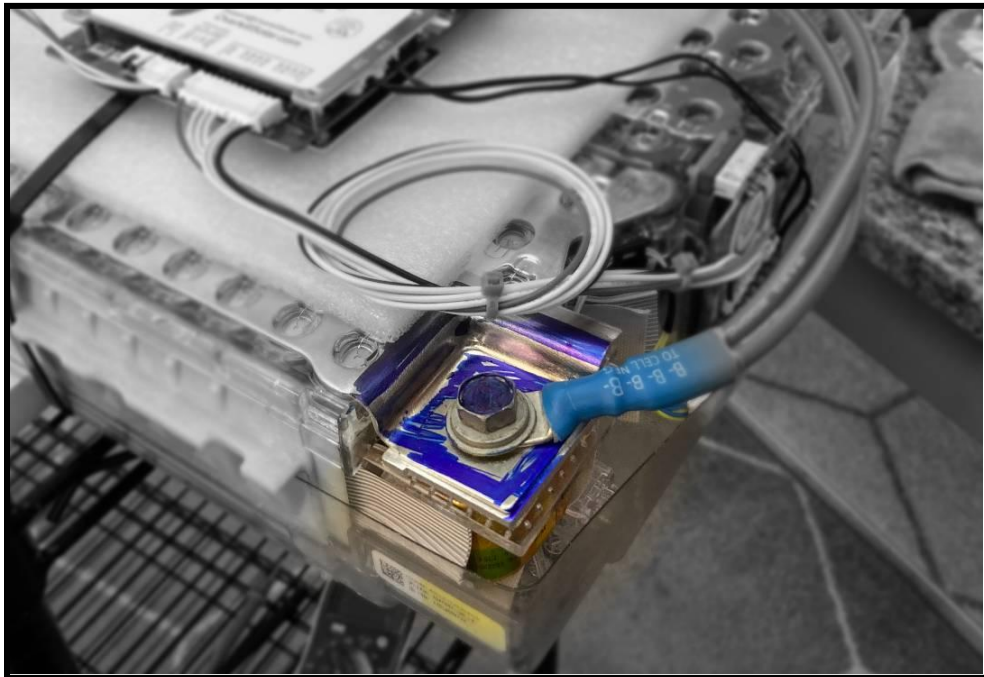


Fig. 2: Only connect the BMS's B- wire to this terminal, nothing else.

Email: Support@OverkillSolar.com

Is it Revision A, B, or C?

If you end up with a different battery that doesn't match your BMS kit, contact us and we will exchange the adapter board.

