

LiPo Wiring harness usage guide

Your LiPo wiring harness allows for very large amounts of electricity to flow. This is great for high power applications as well as potentially dangerous if mishandled or incorrectly used.

If unsure of any connection, polarity, orientation or otherwise, always triple check things before proceeding. Also remember, it never hurts to do a quick online search to confirm you are doing things right, but it can hurt if you get it wrong!

If you are really not sure, **ASK**, either by PM, or generally on the ES forum.

Following are some common do and do not scenarios that should be followed at all times.

Do's and Do nots

<u>DO</u>	<u>DO NOT</u>
<ul style="list-style-type: none">• Always ensure individual batteries are charged to the same level (voltage) prior to connecting to the harness.	<ul style="list-style-type: none">• Never connect batteries charged to different levels as it results in large current flows that can lead to fire!
<ul style="list-style-type: none">• Triple check battery and harness connectors match polarity prior to connecting.	<ul style="list-style-type: none">• Do not attempt to change connector polarity if it does not match. A new harness can be made to meet your requirements.
<ul style="list-style-type: none">• Periodically visually inspect connections, and insulation for any sign of wear or exposed wire.	<ul style="list-style-type: none">• Do not attempt to repair any wear and tear unless confident in doing so.
<ul style="list-style-type: none">• Ensure harness wiring is not overly loose or likely to be unplugged by bumps or vibrations.	<ul style="list-style-type: none">• Never cram, compress, squash or tightly wrap the harness to move it out of the way. A custom sized harness can be made to suit unique requirements.
<ul style="list-style-type: none">• Ensure harness is not pulled tight and can comfortably reach to the length required. If a longer harness is needed this can be custom made.	<ul style="list-style-type: none">• Do not hang or dangle batteries by the harness plugs/connectors. The connectors are not designed to support this weight.
<ul style="list-style-type: none">• If running currents higher than 100A continuous, monitor harness temperature and ventilate if necessary.	<ul style="list-style-type: none">• Take care not to thermally insulate the harness/batteries, particularly in hot weather.
<ul style="list-style-type: none">• For currents higher than 150A continuous, ventilation is strongly recommended.	<ul style="list-style-type: none">• Do not run high currents exceeding the specifications of your batteries.

Be aware the weakest link in your system is now no longer you're wiring harness and enjoy the power your harness lets you use.