



Solar lifepo4

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In this tutorial, I'll show you 2 ways to charge lithium iron phosphate (LiFePO4) batteries with solar panels.

(No solar experience necessary.)

In fact, I use both of these ways to solar charge my own LiFePO4 batteries.

Let's get started.

In my opinion, this is the easiest way to charge LiFePO4 batteries with solar panels.

This method requires no tools or prior solar experience. It's relatively cheap. And it's as plug-and-play as it gets.

This method is so easy I made a 60-second video showing you how to do it. Check it out and consider subscribing to my channel if you like DIY solar videos like this!

Connect the MPPT charge controller to the solar panel, using an MC4 to SAE adapter cable, if needed. Your charge controller should automatically turn on once you do. If it doesn't, try using the included SAE polarity adapter to get the solar panel's polarity to match the charge controller's.

Select your battery type using the charge controller's MODE button. I'm using a lithium iron phosphate battery, so I pressed the MODE button until the "Lithium" battery setting was selected.

If you're using a different type of battery, such as an AGM or sealed lead acid battery, select that type.

Connect the battery to the charge controller using SAE to battery alligator clips. Connect the positive charge controller cable to the positive battery terminal and the negative cable to the negative battery terminal.

Look at the charge controller's screen to confirm that the solar panel is charging the battery. The charge controller's screen should show you the charging amps and volts. (You may have to wait a minute for the charge controller to track the maximum power point.) Mine showed a current of 6.6 amps at 14.0 volts, which works out to 92.4 watts from my 100 watt solar panel.

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