

BM PRO DEFINITIONS | HOW TO CONNECT A SOLAR PANEL TO YOUR POWER SUPPLY

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To connect a solar panel to your power supply or battery, you require a regulator. This is a non-negotiable item, without a regulator the output from your solar panel may permanently damage your battery. Your solar panels should always be connected through your solar regulator and your regulator should then be connected to your power supply.

WHAT IS A REGULATOR?

A solar regulator essentially acts as a barrier for your battery or power source, protecting your battery from the high voltage output of your solar panel during good conditions. A good regulator will incorporate a three-stage charging output.

Assuming you are incorporating a 12V solar panel (to charge a 12V battery), your solar panel will have the capacity to output anywhere from 13.6 volts to 17 volts depending on the weather conditions. Connecting a solar panel which is outputting possibly over 17V to a 12V battery is clearly going to damage your power supply, which is why you'll need to purchase a regulator.

CAN I CONNECT MY SOLAR PANELS TO SETEC POWER SUPPLIES?

No. You cannot connect your solar panel directly to Setec's power supplies. Connect your solar panel to your caravan battery or power supply via a solar regulator, as shown below.

