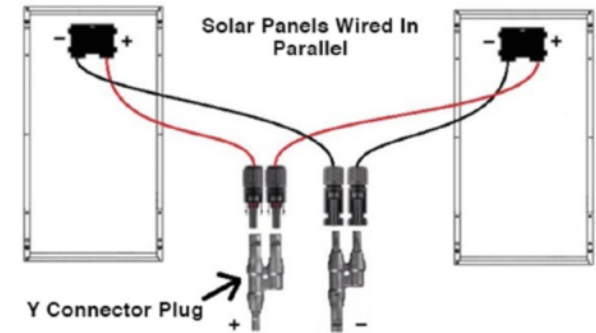


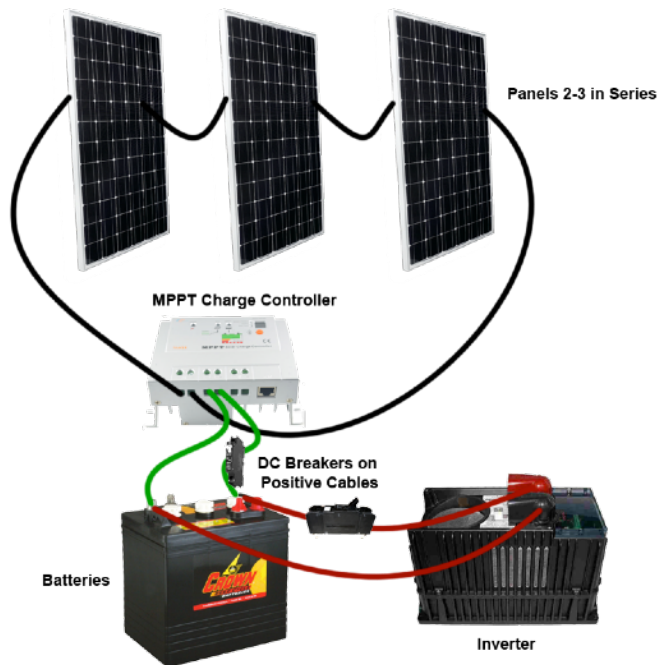
Thank-you for purchasing a solar kit from us!

Hopefully this will demystify setting up a solar system.
We also have a lot of information on our website here:
www.bimble.solar

For Support, simply click the 'Support' button on our site



Off Grid MPPT / SERIES



DC Breakers for your solar panel array

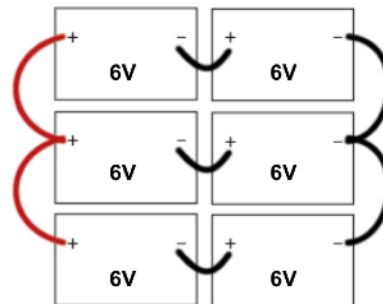
If your panel array exceeds 50v
eg 2 panels in series with $VOC\ 30v = 60v$
then we recommend a DC breaker for the array,
how your panels are wired *series or parallel* will
change the breaker required

Contact us if you need help calculating this.

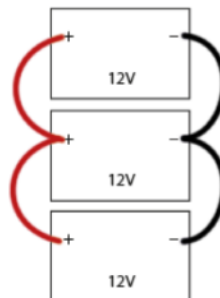
Examples of solar systems (See overleaf for 'What's in my kit')

Battery Wiring Examples

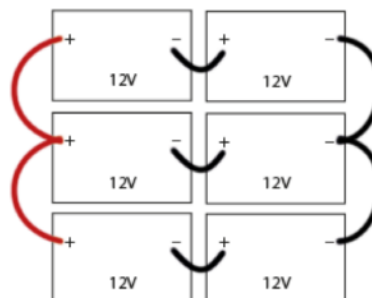
12v Bank



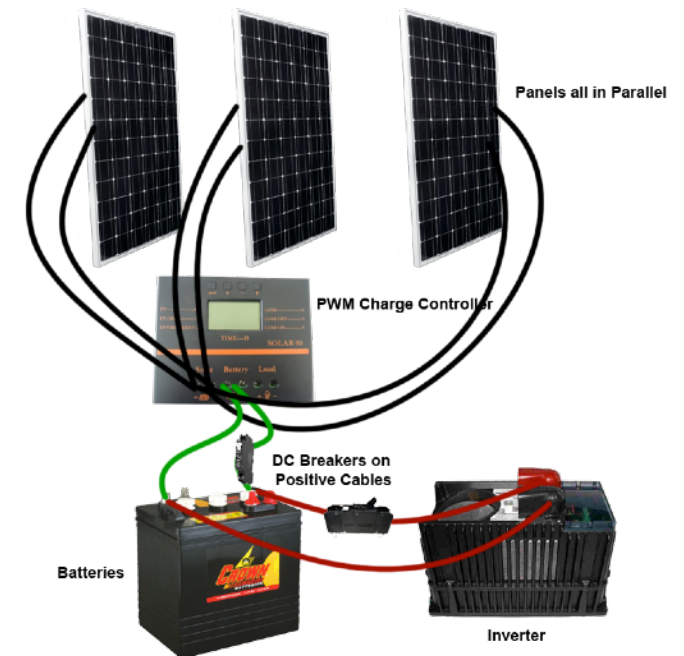
12v Bank



24v Bank



Off Grid PWM / PARALLEL



MC4 Y Splitters for parallel systems

Rather than run multiple cables (in the diagram above) - you can use MC4 Y splitters / branch connectors, to parallel the panels.
Then you only need to run a single pair of solar cables to the panel array.



What's in my kit....? (You may have some or all of these)



SOLAR PANEL

(Important, please note)

The cable on the right provides the positive feed +

The cable on the left provides the negative feed -



CHARGE CONTROLLER

(Yours may look different to this one)

Warning! If you get the + and - the wrong way round from your battery, your controller will go 'pop' and die! Ensure you go positive to positive, negative to negative.

**Always connect the charge controller to the battery bank FIRST.
If you connect the solar first you may blow the controller and void the warranty.**



BATTERY

Don't forget to check the water levels regularly, pop the covers off to check the plates are covered. Top up if needed.

Remember all batteries gas - if in a living area, should be in a sealed box with a vent to the outside world.



INVERTER

(Yours may look different to this one)

Warning! If you get the + and - the wrong way round from your battery, your inverter will go 'pop' and die! Ensure you go positive to positive, negative to negative.



CIRCUIT BREAKER

Goes on the positive cable between the battery and charge controller / inverter. Simply cut the cable near the battery and fit the breaker in.



6MM PREMADE CABLE

Simply cut in half to give you MC4 to bare wire, also trim a little back for controller / inverter to battery.



If you get the + cable and - cable the wrong way around, you will hear a very unsatisfying pop. The controller / inverter may well have died. Sad face. Remember : the cable entry on the controller / inverter marked +, goes to the battery terminal marked + Positive to positive and negative to negative.

***** Please triple check before connecting anything *****

