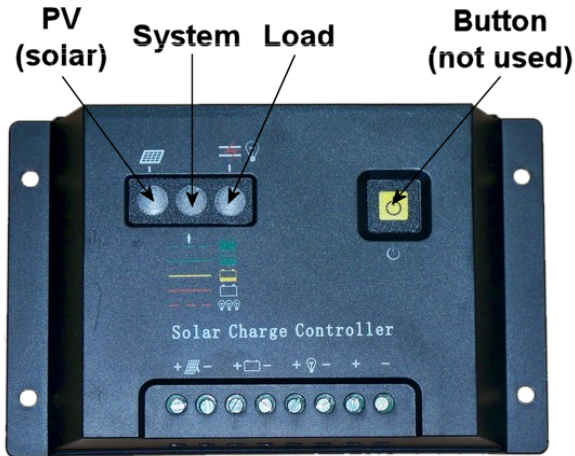


100 Watt Solar Panel Instructions

Set the panel up and connect the battery clips to your battery, red to the positive terminal and black to the negative terminal. For the best performance position the panel so it is facing the direction of the sun and is not obscured by trees etc.

The LED indicators on the charge controller will tell you if the battery is being charged or not as follows.



PV (solar) LED

When the battery is connected and charging, the PV LED will flash blue, if the PV LED is off then there is insufficient daylight.

Load LED

When the battery is connected the load LED is yellow. Note: If the battery is very flat it may be very dimly lit.

System LED

Colour	System Status
Green	Battery is charging
Green flash	Battery is fully charged
Green flash fast	Battery is over voltage
Yellow	Battery is partially charged
Red	Battery is discharged
Red flash	Overload
Red flash fast	Over temperature
Orange flash fast	Check fuse

Troubleshooting

Problem	Solution
The PV LED is off when sufficient light is falling on the panel.	Check the cables are connected properly.
System LED is green or yellow but there is no power output.	Check the cables are connected properly.
System LED flashes red but there is no power output, or Load LED flashes fast.	Check the output circuit of the load for a short circuit or overload. Reconnect the battery to reset the system.
System LED is red but and there is no power output.	The battery is over discharged. Wait until the system has recharged the battery.