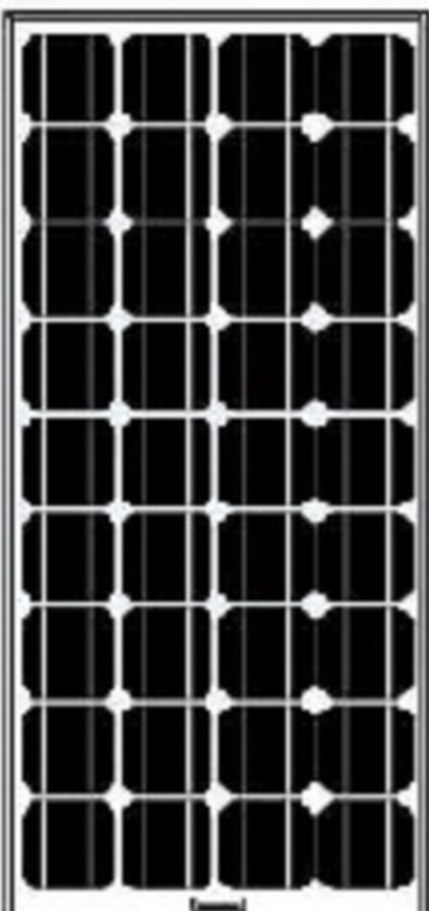
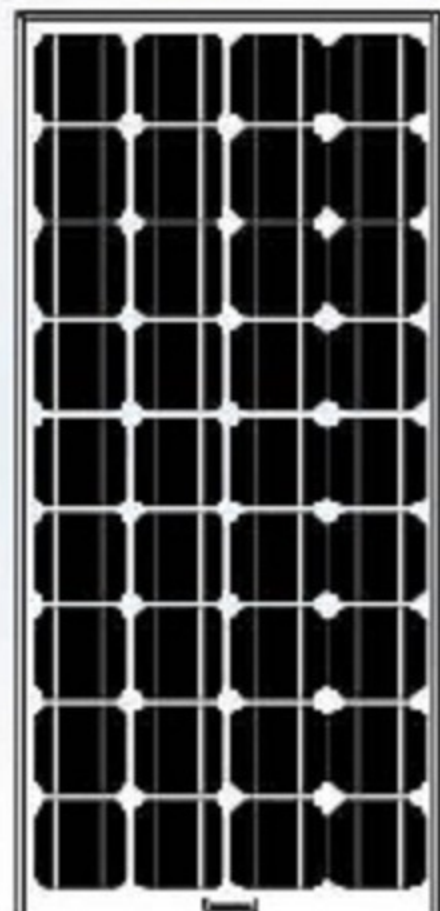
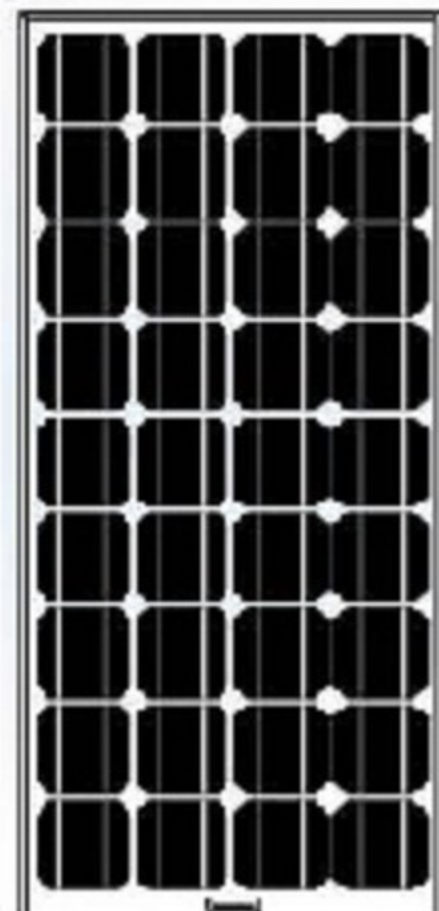


85 W  
PV Panel

85 W  
PV Panel

85 W  
PV Panel

Must be set up permanently to avoid battery sulphation.



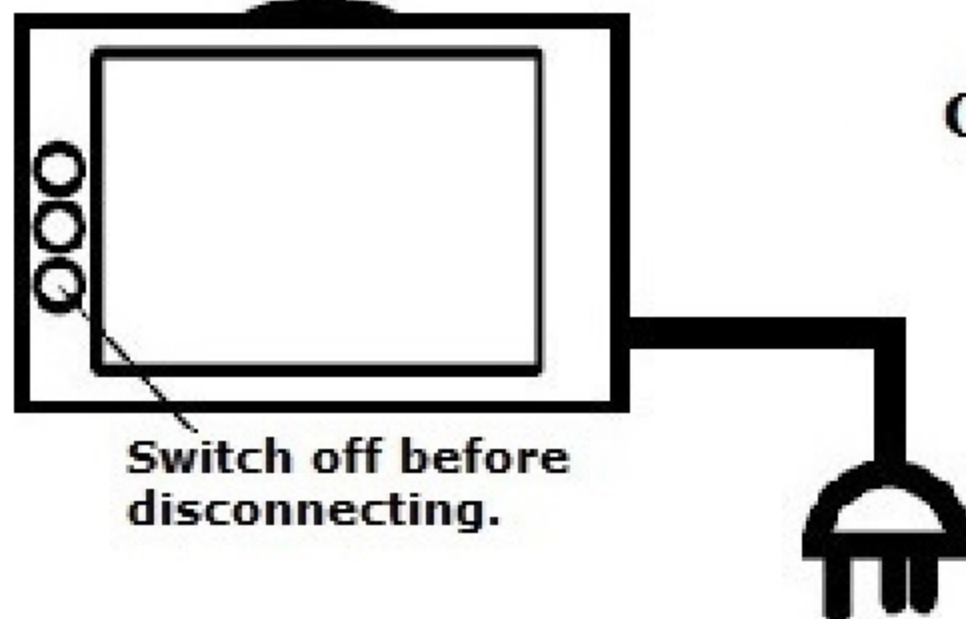
V out  
> 18 volts

20 A Charge Controller

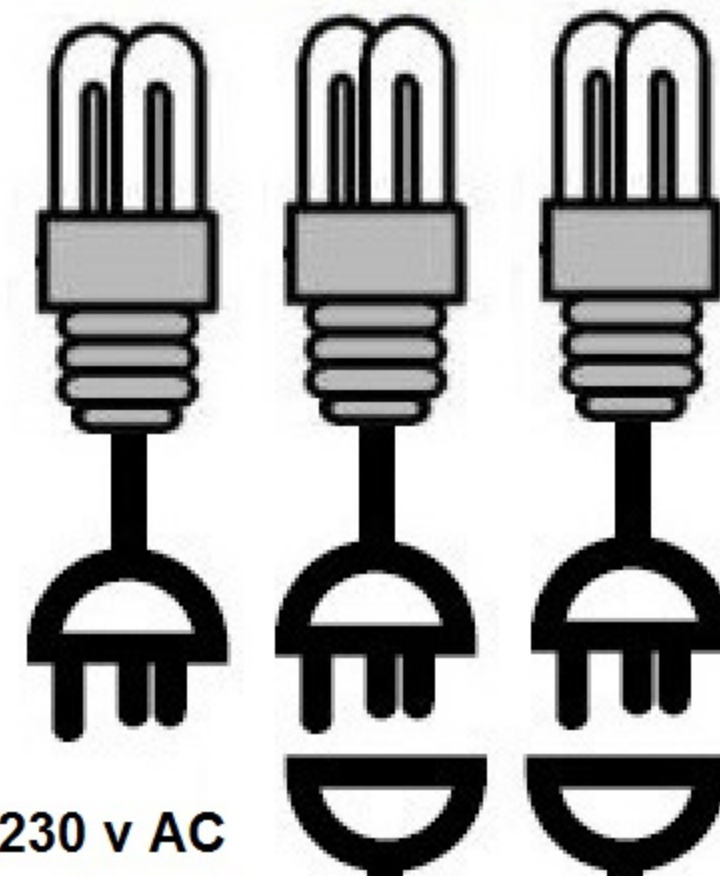


Example Loads (Not Included) with maximum run times

In Summer, 120 W TV for 4 1/2 hours / day



In summer, 3 low energy mains lamps for 18 hours / day



230 v AC

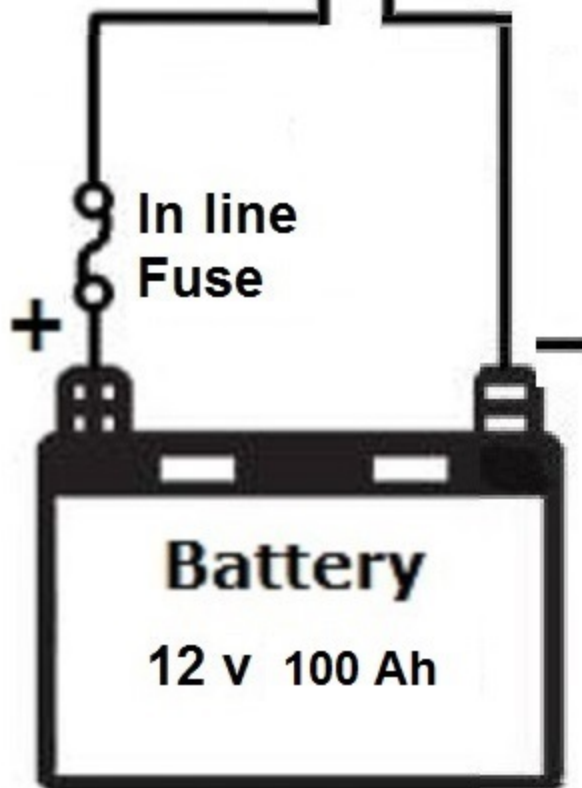
Twin Sockets

In line RCD

### Wiring Diagram for sps 12255

If the full protection function of the controller is required, the load power should not exceed 240 W continuous. (This corresponds to a load current of about 20 A.) In this case remove the croc. clips at A and B.

Higher loads can be used for short periods by connecting the inverter directly to the battery. Note that a higher load will discharge the battery rapidly and you may need to recharge it with a mains charger.



Battery

12 v 100 Ah

This Fuse at rear -->

300 W Power Inverter

PLEASE NOTE:

If required, use the Inverter Earth Terminal. Do not Earth any other point on the circuit.

The negative terminals are not common on this type of controller.