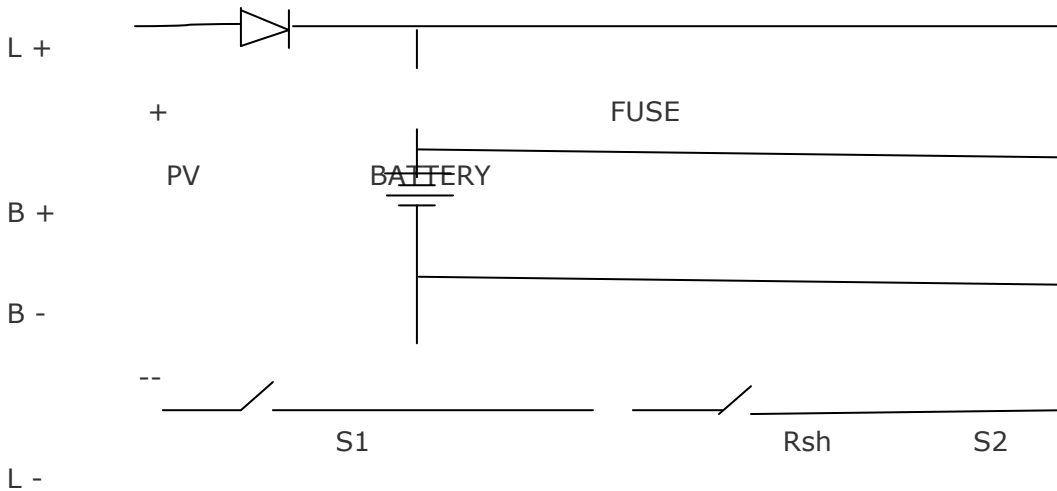


RENEWABLE ENERGY – SOLAR / WIND

SPECIFICATION

Solar Charge Controller ON-OFF type (24V 5A) :-

Block Diagram :



Working :-

- 1) If PV voltage is more than Battery voltage then S1 will be ON and it will remain ON until Battery voltage reaches up to 28.8V, after 28.8V S1 will be OFF.
- 2) S2 will be OFF for two conditions as follows:
 - a) If Battery Voltage becomes less than 21.6V then S2 will be OFF and Lo batt LED will glow.
 - b) If load current more than 5A($\pm 10\%$) then S2 will be OFF and OL LED will glow.

Above both conditions are latching type – to reconnect Load to the battery please press the RESET button.

Fuse : 10A

Indications:

- 1) Bicolour LED – Red – charging
Green – charged
- 2) Lo Batt – low battery (if battery voltage less than 21.6V)
- 3) O/L – Over load (5A)

Features :

- Battery Overcharge Protection.
- Reverse Polarity Protection : Battery,PV and Load.
- Load Protection : Overload,Short Circuit
- Prevents Reverse battery current into PV panel at night.

