



**REVERIE**

## **Solar Charge Controller**



### **Installation Guide for Solar charge Controller-MPPT**

#### **Over view**

Reverie Solar's low cost, High efficiency & micro-controller based solar chargers are ideal for low power solar applications.

The micro-controller will sense the battery full charge voltage and will cut-off the battery when it reaches full charge. It will reconnect the battery if the battery drops to a preset level. The charger will also disconnect the panel from the battery to avoid the reverse current flow from the battery to panel during night.

This product has a special feature to upgrade any conventional UPS in to solar UPS with first priority given to solar.

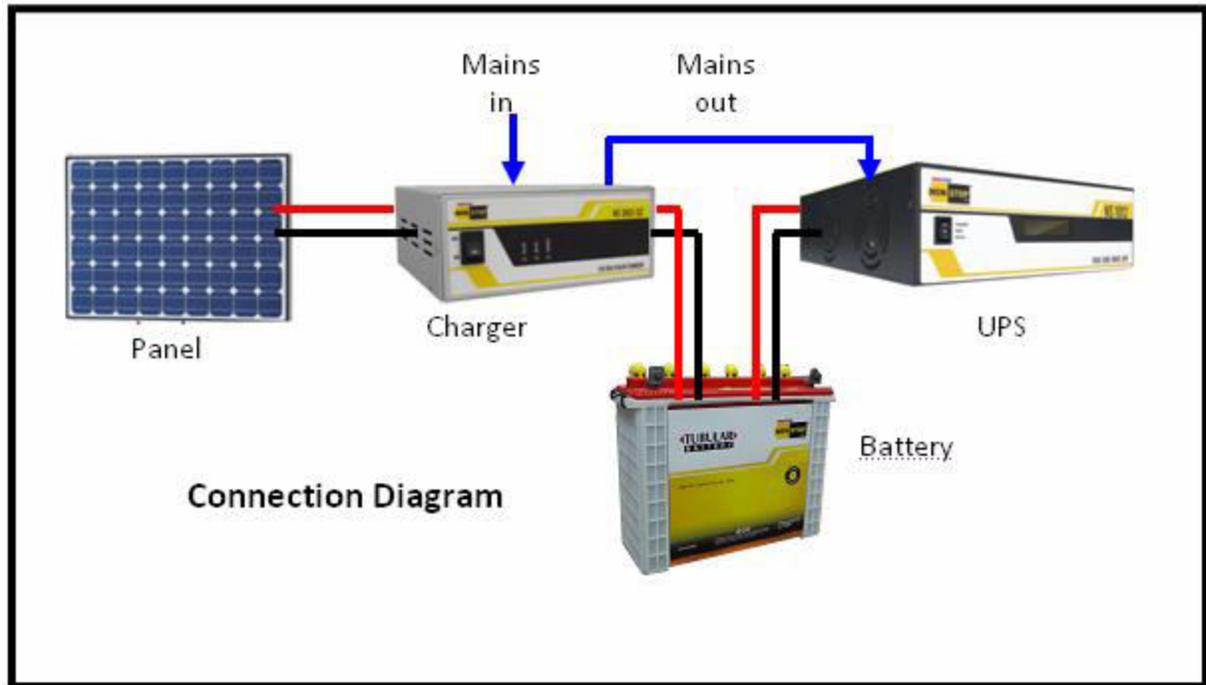
The charger has the intelligence to connect & disconnect the AC mains to the UPS depending upon the battery voltage levels to ensure using solar as primary power & mains only for the emergency.



## Technical Specification: MPPT

MODEL NO	SS 0965	SS 5048
Technology	MPPT	
Switching	4 phased interleaved switching	
Switching Device	MOSFET	
Battery Charging Current (A)	30	60
Battery Charging	Maximum Current Constant Voltage (MCCV) with temp Compensation	
Max. Solar Input Power(Wp)	3000	2500
Peak Charger Efficiency (%)	98	98
Max. Solar Open Circuit Voltage(Voc)	190	150
MPPT Voltage Range(V)	120-150	60-120
Battery (V)	96	48
Protections	Panel input high voltage, Lightning, Accidental high current panel connection, panel reversal, Battery reversal	
Operating Temperature	0-60 deg C, 90% RH	

## Installation



- Make the connections as shown in the above diagram.
- Ensure that Panel & battery connections are made with correct polarity.
- Switch on the charger.

### Warning!

- Wrong connections to panel or to battery may damage the unit.
- Open circuit voltage or panel capacity exceeding the limit will damage this unit