



# SOLAR UPS

Livguard Solar Hybrid UPS provides power from solar battery and grid as per the load profile. It has the highest rated solar charge controller which extracts maximum power from solar modules and reduces electricity bills.

★★★★★ **Highest Rated Solar Charge Controller**

**Auto bypass during fault**

**2 Years Warranty**

### Real Time Clock (RTC) Technology

- In-built intelligence RTC to maximize solar energy utilization.
- Optimized solar energy utilization based on localized power situation



### Fast Battery Charging

- In-built 50A solar charge controller Charges the battery in short time



### Safety & Protection

- In-built human, panel, & battery protections
- Over voltage/ current protection in bypass mode



### User Friendly LCD Display

- Easy to operate, in-built interactive LCD display indicates alarm & system status including solar generation



### UPS Mode

- Suitable for computer load as well as areas with low voltage



### Pure Sine Wave

- Noiseless operations & long life of electrical appliances



## SOLAR UPS

Model Name	LS OG1150	LS OG1850	LS OG2250
System Rating	900VA	1500VA	2000VA
Nominal Battery Voltage (Vdc)	12V	24V	
Output Waveform	Pure Sine Wave		
Switching Element	MOSFET		

## SOLAR PV INPUT

Technology	PWM		
Charge Controller Rating (Amps.)	50A		
Maximum Solar Panel (Wp)	900 Wp	1800 Wp	
Input Voltage Range (Vmp)	Min - 15V, Max - 18V	Min - 30V, Max - 36V	
Maximum Input Voltage (Voc)	22V	46V	

## Grid Input

Input Supply	Single Phase - 230V, 50Hz		
Operating Voltage Range (ECO Mode)	90V - 290V		
Operating Voltage Range (UPS Mode)	180V - 270V		

## Output

No Load Output Voltage	225 ± 7V		
Output Frequency Battery Mode	50 ± 1Hz		
No Load Current (UPS Switch Off)	≤ 180mA	≤ 200mA	

## Battery

Battery Charging through Mains + Solar	Mains - 17A	Mains - 20A	
	Solar - 20A	Solar - 50A	
Battery Charging through Solar (Default)	40A		
Low Battery Indication	10.8 ± 0.2V		
Solar Optimization after Battery is Fully Charged	If Solar is Available - then Load is Handled by Battery & Solar		

## Overload, Protection, LCD Display & User Interface

Overload Shutdown Indication	Display Overload & Alarm		
Overload Pre-Alarm Indication	Display Overload with Load% & Alarm		
Overload Capacity	120% Load Running at 30 Sec		
Protection	Thermal Trip, Over Load with %, Short Circuit, Battery Low, PV Reverse, Fuse Trip		
LCD Display	Mains Voltage/Output Voltage, Battery Voltage, Load (%), Battery Low, Solar KWh Solar Current on Load, Solar Charging Current, Overload with (%), PV Reverse, Short Circuit		
User Interface	Battery Boost Voltage, Battery Low Cut Voltage, Max. Grid Charging Current, Max. Solar Charging Current		

## General

Operating Temperature	0°C to 50°C		
Dimensions (LxWxH) in mm	295 x 330 x 170	363 x 398 x 251	365 x 400 x 250
Net Weight (Kg)	10	15	16.5

Technical Parameters are Subject to Change Without any Prior Notice