

# APNI BIJLI BANAO, EXPERT KO BULAO.

SOLAR KE SMART SOLUTIONS GHAR LE AAO!

Call: +91 9999 039 039



## **ABOUT LIVGUARD**

Livguard Energy Technologies Pvt. Ltd. (LETPL) one of India's leading providers for power energy solutions is poised to transform the world with its cutting edge technology, in solar solutions, power back-up, automotive solutions, & e-rickshaw batteries. Livguard was founded in the year 2014 and is a part of the SAR Group which has been serving the nation for the past three decades. With our technologically advanced toolkit and trained technicians we have achieved the customer's trust and faith in our products and services. This has helped us reach the 4,000 crore company milestone in a short period of time.



# PWM POWER CONDITIONING UNIT

Livguard Solar Hybrid PCUs are high capacity, high efficiency solar UPS that runs both on solar & utility (grid) power supply. It has an in-built solar charge controller which extracts maximum power from solar modules to power your appliances & battery charging.

**LCD** & LED Display

**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 50/70 Amp solar charge controller that charges the battery in short time



## Safety & Protection

- In-built human, panel, & battery protections
- No risk of electric shocks



## 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



## PWM POWER CONDITIONING UNIT

Model Name	LS OGR3500	LS OGR5048	LS OGR7500	LS OGR10000
System Rating	3.5 KVA	5 KVA	7.5 KVA	10 KVA
Nominal Battery Voltage (Vdc)	48V	48V	120V	120V
Output Waveform	Pure Sine Wave			
Switching Element	MOSFET			

## SOLAR PV INPUT

Technology	PWM			
Charge Controller Rating (Amps.)	50 A	70 A	50 A	70 A
Maximum Solar Panel (Wp)	3400W	5600W	8500W	11900W
Maximum Input Voltage (Vmp)	82.4	82.4	188	188
Maximum Input Voltage (Voc)	100	100	230	230

## GRID INPUT

Input Supply	Single Phase - 230 V; 50 Hz
Nominal Voltage Range	100 - 280V
Nominal Frequency Range	45 - 55Hz

## OUTPUT

Nominal Output (Vac)	220V ± 7V			
Nominal Frequency	50Hz ± 1Hz			
Nominal Output Current (A)	12.5Amp.	17.5Amp.	27Amp.	35Amp.
UPS Efficiency	≥ 80%		≥ 85%	

## BATTERY

Battery Recharge Current Range from Grid Side (A)	5 - 18A	5 - 16A	5 - 20A
Default Value Battery Recharge Current Range from Grid Side (A)	18A	16A	20A
Battery Recharge Current Range from PV Side (A)	5 - 50A		

## PROTECTION, USER INTERFACE & SETTING

Protection	Thermal Trip, Over load with %, Short Circuit, Battery Low, PV Reverse, MCB Trip
LCD Display	Mains on/off/cut, Mains Voltage, Battery Voltage, Battery Charging/Charged, Mode: UPS/Normal Load (%), Solar On/Off, Solar to Load (A), Solar to Battery (A)
Indications	Inverter: On/Off, Charging: high/low, Mode: UPS/Normal, Mode: Hybrid
User Setting	Battery Boost Voltage, Battery Low Cut Voltage, Max. Grid Charging Current, Max. Solar Charging Current

## ENVIRONMENT

IP Protection Level	IP-20
Operating Temperature (°C)	0 to + 55°C
Max Relative Humidity @ 25°C	0-95%
Max. Altitude above Sea Level without De-rating (M)	≤1000 m

## PHYSICAL

Dimension (W x D x H) in mm	370 x 400 x 320	370 x 510 x 550	370 x 530 x 620	370 x 530 x 620
Net Weight (Kg)	28.97	43.79	64.57	67.28
Gross Weight (Kg)	31.3	46.5	69.6	70.8

Technical Parameters are subject to change without any prior notice

# LIVSERV SERVICE NETWORK

NOW SERVING COUNTLESS STATES ACROSS THE COUNTRY





**380+**  
Trained Service Engineers



### **On-Site\* Service Facility**

- ◆ Solar Panel, UPS, PCU, SCC & SMU: Customer End
- ◆ Battery: CSC location



**50+** Service centre locations Pan India

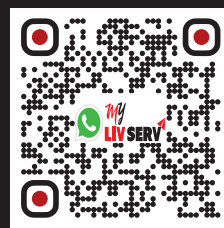


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