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SOLAR KE SMART SOLUTIONS GHAR LE AAO!

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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.

LIVGUARD SOLAR PRODUCT RANGE

SOLAR PANEL

40 WATT - 545 WATT



SOLAR MANAGEMENT UNIT

30 A - 50 A



SOLAR CHARGE CONTROLLER

10 A - 50 A



SOLAR BATTERY

40 AH - 240 AH



SOLAR UPS

700 VA - 2200 VA



PWM POWER CONDITIONING UNIT

3.5 KVA - 10 KVA



SOLAR UPS MPPT

1000 VA - 2500 VA



MPPT POWER CONDITIONING UNIT

3 KVA - 15 KVA



GRID INTERACTIVE HYBRID

- 1-PHASE : 3KVA - 5KVA
- 3-PHASE : 10KVA - 30KVA





SOLAR MANAGEMENT UNIT

Livguard Solar Management Unit (SMU) converts any existing inverter into solar system. It has in-built intelligence to maximize use of solar energy and is ideal for various DC voltages.

Auto bypass during fault

1 Years Warranty

LCD Display

- Easy to operate, in-built interactive LCD Display
- Indicates alert & system status



Maximize Solar Yield

- Engineered to extract maximum power from solar, to reduce the electricity bill.



3 Stage Intelligent Battery Charge Profile

- Designed to track the battery charging profile (Bulk, Absorption, and Float)
- Enhances battery life.



Protections

- In-built short circuit, reverse current & polarity protection
- No risks of electric shocks



SOLAR MANAGEMENT UNIT

Model Name	LSMU 122430		LSMU 24-4850		
	Solar Management Unit Rating	12/24V @ 30A	24V @ 50A	36V @ 50A	48V @ 50A
Technology	Micro Controller Unit based PWM				
Type	Series Regulator Common Positive				
System Voltage	12V	24V	24V	36V	48V
Setting	Auto Sensing		Settable (Default 48V)		
Maximum Solar Panel (Wp)	500W	1000W	1800W	3600W	
Maximum Solar Panel Voltage	50V		90V		

BATTERY SETTINGS

	Range	13.9 - 15.9V	27.9 - 31.8V	41.7 - 47.7V	55.6 - 63.6V
Bulk Voltage	Default	14.2V	28.4V	42.6V	56.8V
	Range	13.3 - 14.1V	26.6 - 28.2V	39.9 - 42.3V	53.2 - 56.4V
Float Voltage	Default	13.5V	27V	40.5V	54V
	Range	13.3 - 14.1V	26.6 - 28.2V	39.9 - 42.3V	53.2 - 56.4V
Low Battery		10.5 ± 0.2V	21 ± 0.2V	31.5 ± 0.2V	42 ± 0.2V

LOAD CONTROLLER

Grid Disconnect from Inverter (Voltage)	After Battery goes to Bulk Charge Mode & PV Energy Available				
Grid Re-connect to Inverter (Voltage)	12.7V Default Setting Settable Range: 11.4 - 13.3V	25.4V Default Setting Settable Range: 22.8 - 26.6V	25.4V Default Setting Settable Range: 22.8 - 26.6V	38.1V Default Setting Settable Range: 34.2 - 39.9V	50.8V Default Setting Settable Range: 45.6 - 53.2V

PROTECTIONS & USER INTERFACE

Protection	• Reverse Polarity for PV/Battery, Short Circuit, Battery Overcharge & Deep Discharge	
User Interface	LED Indications	• Faults: Battery Low & High, Reverse Current, Panel Charging Overcurrent
		• Battery Charging Status
	LCD Display	• PV Current/Voltage
		• Battery Current/Voltage
		• Faults: Battery Low & High, Reverse Current, Charging Overcurrent
		• kWh Generated from Solar (Cumulative - kWh, Instantaneous - kW)

GENERAL

Operating Temperature	0°C to 50°C	
Dimensions (LxWxH) in mm	205 x 113 x 70	264 x 183 x 90
Weight (Kg)	0.8	1.57

Technical Parameters are subject to change without any prior notice

LIVSERV SERVICE NETWORK

NOW SERVING COUNTLESS STATES ACROSS THE COUNTRY



650+
Trained Service Engineers



On-Site* Service Facility
◆ Solar Panel, UPS, PCU, SCC & SMU: Customer End
◆ Battery: CSC location



40+ Service centre locations Pan India



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