

# APNI BIJLI BANAO, EXPERT KO BULAO.

SOLAR KE SMART SOLUTIONS GHAR LE AAO!

Call: +91 9999 039 039

**Livguard**  
Solar



+91-7428191000

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Livguard Energy Technologies Private Limited  
Plot no. 221, Udyog Vihar Phase-I,  
Gurgaon-122016, Haryana, India.  
[www.livguard.com](http://www.livguard.com)

## 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 CHARGE CONTROLLER

Livguard Solar Charge Controller is an advanced micro controller unit based on PWM technology. The charging process has been optimized for longer battery life and improved system efficiency.



Dusk to Dawn

**1** Years Warranty

### Increase Battery Life /Gravity Builder

- Designed to remove sulphate build up
- A high equalizing charged battery



### Automatic Voltage Selection

- Auto battery selection upto 20 A
- Settable battery selection for 50 A



### USB Port

- USB Port available for mobile charging
- For 20A plug in your DC devices such as fans and lights



### Protections

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



## SOLAR CHARGE CONTROLLER

Model Name	LSCC 122410	LSCC 122420	LSCC 24-4850		
Charge Controller Rating (Amp.)	12/24V @ 10A	12/24V @ 20A	24V @ 50A	36V@ 50A	48V@ 50A
Technology	Micro Controller Unit Based PWM				
Type	Series Regulator Common Positive				
System Voltage	12 / 24 V		24 / 36 / 48V		
Setting	Auto Sensing		Settable (Default 48 V)		
Maximum Solar Panel (Wp)	12V @ 160W 24V @ 335W	12V @ 335W 24V @ 600W	1800W	3600 W	
Maximum Solar Panel Voltage	60V		90V		

## BATTERY SETTINGS

Voltage	12V	24V	24V	36V	48V
Bulk Voltage (V)	14.2V	28.4	27.8V - 31.8V	41.7V - 47.7V	55.6V - 63.6V
Default Voltage (Bulk)		28.4V		42.6V	56.8V
Float Voltage (V)	13.5	27V	26.6V - 28.2V	39.9V - 42.3V	53.2V - 56.4V
Default Voltage (Float)		27V		40.5V	54V
Low Battery (V)	10.5V ± 0.2V	21.0V ± 0.2V		31.5V ± 0.2V	42.0V ± 0.2V

## PROTECTIONS & USER INTERFACE

Protection	• Reverse Polarity (Panel/Battery), Short Circuit, Battery Overcharge & Deep Discharge			
User Interface	Display & Indications	LED	LED & LCD	
	LED Indications	• Faults: Battery Low & High, Reverse Current, Panel Charging Overcurrent		
	LCD Display	• Battery Charging Status		• Solar PV Power
		NA		• Battery Voltage
NA		• Charging Mode		
NA		• Load On/Off	• Faults: Battery Low & High, Reverse Current, Charging Overcurrent	
NA		• Charging Status		

## GENERAL

Operating Temperature	0°C to 50°C		
Dimensions (LxWxH) in mm	112 x 125 x 25	125 x 100 x 45	264 x 183 x 90
Net Weight (Kg)	0.32	0.45	1.48

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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livserv@sar-group.com