



**SUPER SAVINGS**



# GRID INTERACTIVE INVERTERS

**EXPERT KO BULAO,  
APNI BIJLI BANAO.**



# ***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.



# GRID INTERACTIVE INVERTER (GI)

## Product Description

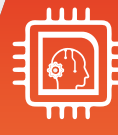
G3 series of Grid Interactive (GI) Inverters are compatible with new age Mono PERC half Cut Solar Panels upto 580Wp. With an attractive design and powerful features, this inverter comes with best in class warranty.

## Application

Homes and establishments that need to reduce their electricity bills.



Wide Operating  
Voltage Range



Smart remote  
Monitoring Included with  
LivMonitor 360



Low self consumption  
at night <1W



Compact design,  
light in weight

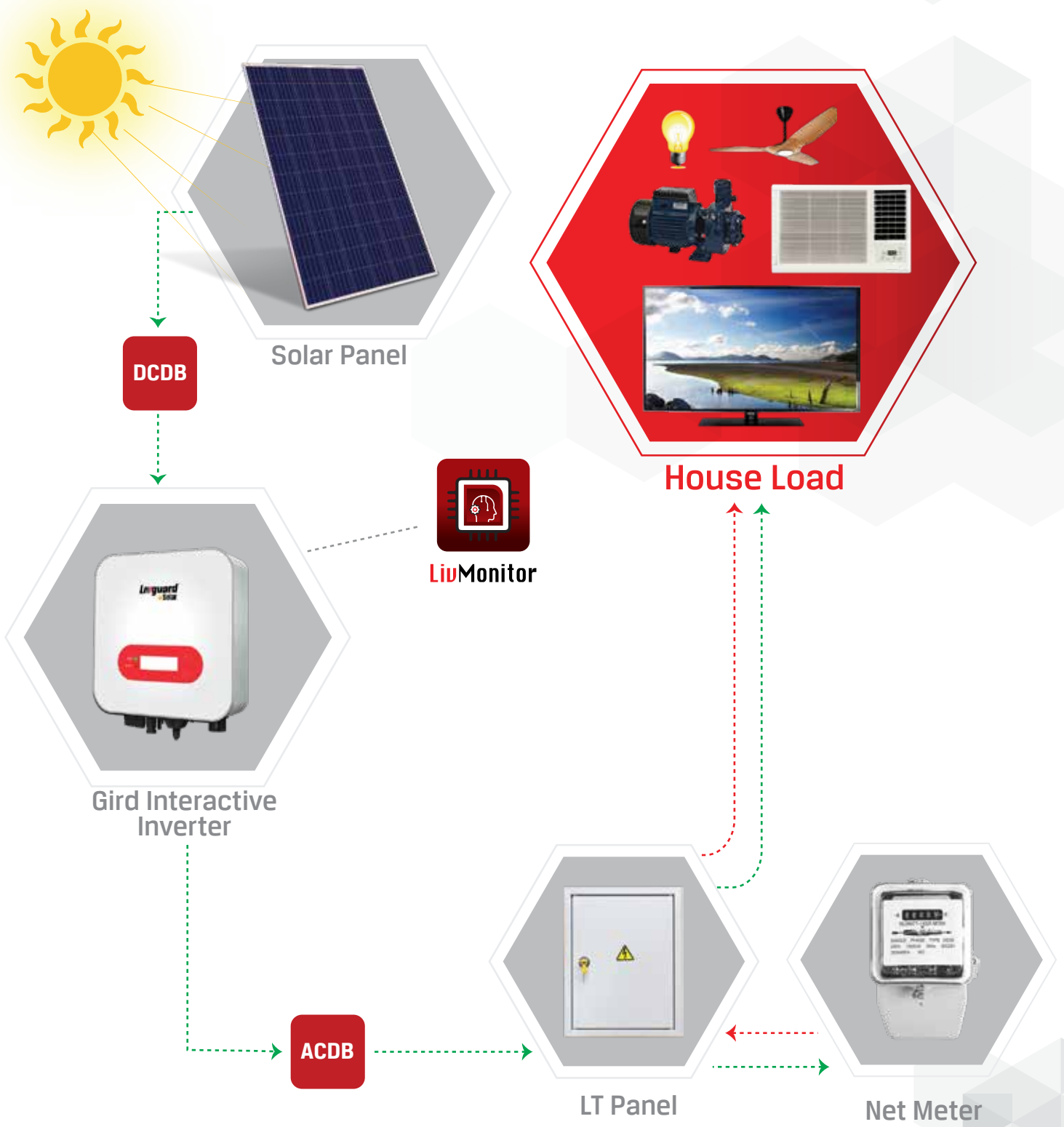


15A Isc to accommodate  
high rating panels.

**10** YEAR  
PRODUCT  
WARRANTY



# GRID INTERACTIVE INVERTER (GI)



# SPECIFICATION

IG Nomenclature	LS1036IS	LS1056I-G3
<b>Input (DC)</b>		
Recommended Max. PV Input Power	4100Wp	7500Wp
Max. Input Voltage	550V	600V
Number of MPPT/String per MPPT	1/1	2/1
Start-up Input Voltage	70V	60V
Rated Input Voltage	360V	
MPPT Operating Voltage Range	50-550V	50-570V
Full Power MPPT Voltage Range	275-500V	250-520V
Max. Input MPPT current	12Ax1	12.5Ax2
Max. DC Input Short-circuit Current per MPPT	15Ax1	15Ax2
<b>Output(AC)</b>		
Rated Power	3000W	5000W
Max. AC Power	3000VA	5000VA
Max. Output Current	14.5A	24.1A
Nominal Grid Voltage	L/N/PE, 220VAC 230VAC 240VAC	
Grid Voltage Range	180-276VAC	
Nominal Frequency	50/60 Hz	
Grid Frequency Range	45-55Hz/54-66Hz	
THDi	<3%	
Power Factor	1 Default (+/- 0.8 Adjustable)	
<b>Efficiency</b>		
MPPT Efficiency	>99.9%	
Self-consumption at Night	< 1W	
Max. Efficiency	97.7%	98.0%
<b>Protection</b>		
DC Reverse Polarity Protection	Yes	
Safety Protection	Anti-islanding protection DC reverse polarity protection Over temp protection Leakage current protection Over voltage protection Over current protection Earth fault protection	
SPD	MOV: Type III Standard	
<b>Communication</b>		
Standard Communication Mode	RS485, WiFi/GPRS (optional)	
<b>General Data</b>		
Topology	Transformerless	
Ambient Temperature Range	-30°C to 60°C	
Permissible Relative Humidity Range	0-100%	
Noise	<25dB	
DC Switch	Optional	
Cooling	Natural Convection	
Max. Operating Altitude	2000m	4000m
Dimension	321x260.5x131.5mm	345*341*167mm
Support bracket	Wall-mounted	
Weight	6.3Kg	10Kg
Display	LCD+LED	LCD
Degree of Protection	IP65	
Warranty	10 Years	
<b>Standards Data</b>		
EMC	EN 61000-6-1, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3	EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12
Safety standards	IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 62109-1/2	IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)
Grid standards	AS 4777, DE V 124-1 0 V 0 0 , VDE V 0126-1-1, VDE-AR-N 4105, G83/2, C10/11, RD 1699	VDE-AR-N 4105, VDE V 0126-1-1, V 0124-100, AS/NZS 4777, CEI 0-21, G98/G99, C10/11, EN 50549, RD 1699






NOTE: Specifications included in this datasheet are subject to change without notice.

# Livguard<sup>TM</sup> Solar



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