

# LIVFAST SOLAR

## GRID INTERACTIVE INVERTERS

### BETTER HAI TOH HAI



# ABOUT *LIVFAST*

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About Livfast: Livfast is the leading power specialist in India with a widespread portfolio of Power back up solutions such as Automotive Batteries, Inverters, Inverter Batteries, Solar Applications. We listen and understand the needs of the consumers and answer these needs in form of our products. We, at Livfast strive to be constantly innovating to make lives across the country easier for our consumers.

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# GRID INTERACTIVE INVERTER (GI)

## PRODUCT DESCRIPTION

Livfast Grid Interactive Inverter is a state of the art technology that converts DC power from solar to AC power with the inherent ability to synchronize with the utility grid. Its interface with net metering allows it to sell excess solar power back to the grid.

## APPLICATION

Homes and establishments that need to reduce their electricity bills.



Wide operating voltage range from 180-276 VAC suitable for Indian grids



10-year warranty to ensure peace of mind and increased ROI



Lowest self-consumption at night (< 1W) leading to greater energy yield



Wide MPPT voltage range and with efficiency > 99.9 % to yield greater solar energy



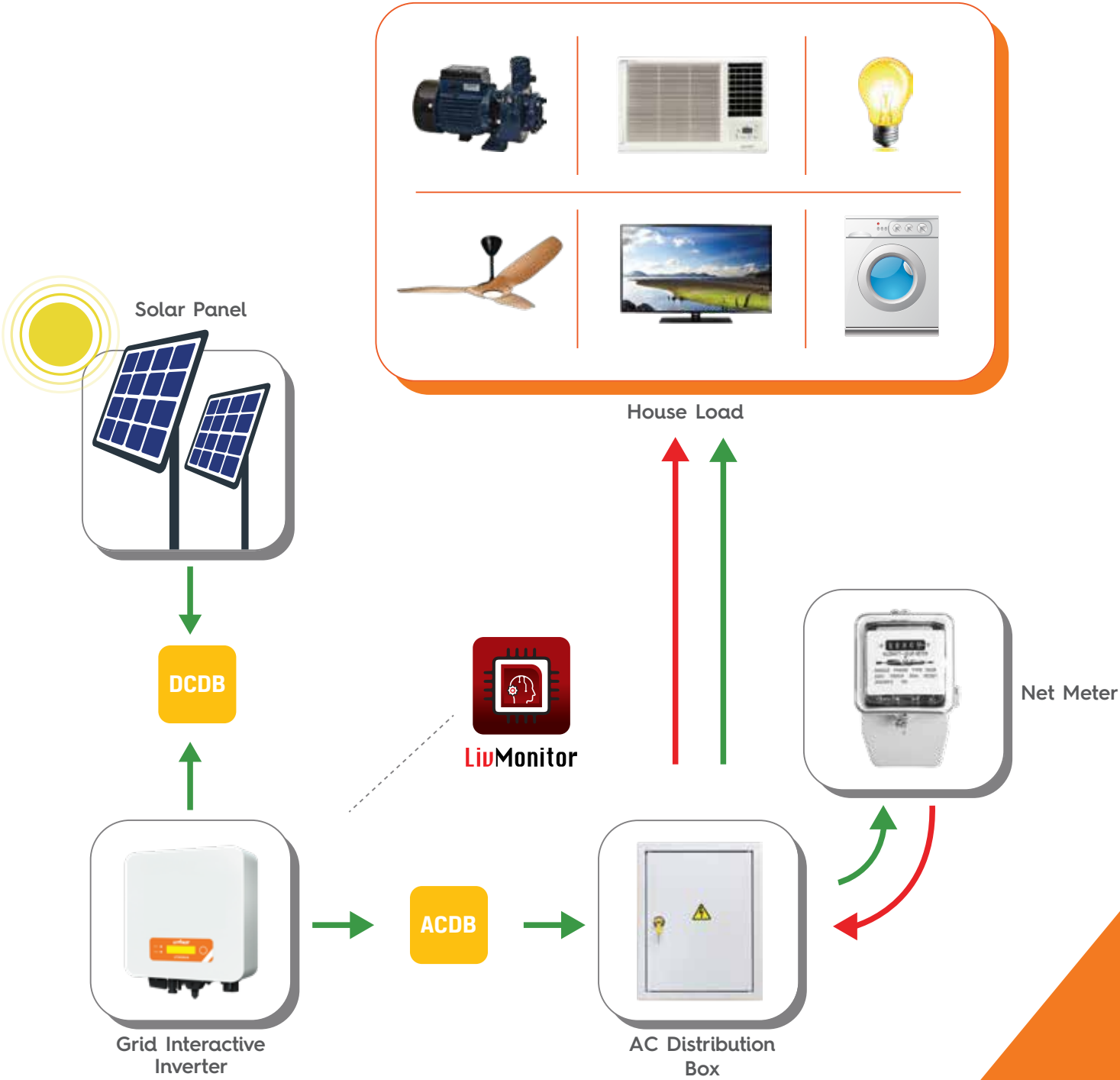
Best in class intelligent grid interface and management

**10** YEAR  
PRODUCT  
WARRANTY

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# GRID INTERACTIVE INVERTER (GI)



SPECIFICATION

LF Nomenclature	LFS103GIS	LFS105GIS G3
	Input (DC)	
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
	Output(AC)	
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)	
	Efficiency	
MPPT Efficiency	>99.9%	
Self-consumption at Night	< 1W	
Max. Efficiency	97.7%	98.0%
	Protection	
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	
	Communication	
Standard Communication Mode	RS485, WiFi/GPRS (optional)	
	General Data	
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	345x341x167mm
Support bracket	Wall-mounted	
Weight	6.3Kg	10Kg
Display	LCD+LED	LCD
Degree of Protection	IP65	
Warranty	10 Years	
	Standards Data	
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	EN 50549, UTE_C_15_712-1, VDE V 0126-1-1, UNE 206007-1	VDE V 0126-1-1, V 0124-100, EN 50438, EN 50549, UNE 206007-1 IN

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