



OFF GRID PV INVERTER

LIS-G SERIES - 1KW / 1.8KW / 2.5KW / 4KW

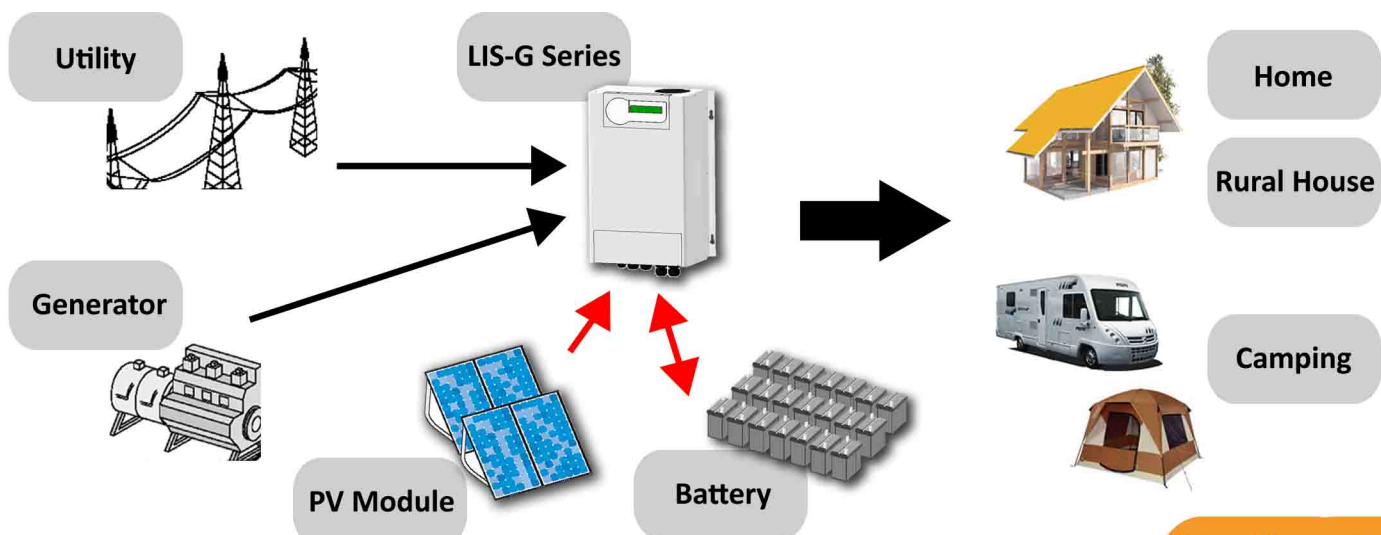


With Microprocessor based design, the LIS-G Series is an advanced Off Grid PV Inverter product. It can connect with AC power, battery and PV modules, and provides True Sine Wave output power for any kinds of loads such as light, fridge, computer, fan... With PWM Solar Charger Controller, the LIS-G Series transfers sun light into energy and provide up to 50A charging current for battery. In other words, the LIS-G Series has the most C/P ratio in the industry.

FEATURE

- High Frequency Design
- Digital Signal Processor Controlled
- Transformerless
- PWM Solar Charger Controller
- Two Times Surge Power Capacity
- True Sine Wave Output
- DC Start Capability
- Up to 30A Battery Charger
- Full Protection

DEMONSTRATION



SPECIFICATION

Model		LIS-15G	LIS-25G	LIS-35G	LIS-50G
Capacity		1000W	1800W	2500W	4000W
Input	Max. Power	2500W	4500W	5500W	8500W
	Nominal AC Voltage	110VAC / 220VAC			220VAC
	AC Voltage Range	90~135VAC / 180~275VAC			
	Nominal DC Voltage	12VDC	24VDC		48VDC
	DC Voltage Range	10.5~16.0VDC	22.0~32.0VDC		44.0~64.0VDC
	Frequency	Auto Sense			
Output	Continuous Power	1000W	1800W	2500W	4000W
	Surge Capacity	2000W	3600W	5000W	8000W
	No Load Consumption	36W			42W
	Voltage (Inverter Mode)	AC Mode : ±20%			
		110VAC / 220VAC			220VAC
	Waveform	True Sine Wave			
	Frequency	Auto Sense			
Efficiency	> 80%				
Protection	Overload	Line Mode	Circuit Breaker		
		Battery Mode	105% ~ 125% for 60sec; > 126% for 3sec;		
	Short	Line Mode	Circuit Breaker		
		Battery Mode	Yes		
Transfer Time	Typical	< 10ms			
Solar Charger	Max. Isc of PV Module	50A			
	Max. Voc of PV Module	60VDC			
	Max. Charging Current	50A			
Battery	Charging Voltage	13.8VDC	27.6VDC	55.2VDC	
	Charging Current (Selectable)	10A / 20A / 30A	10A / 20A	10A	
	PFC When Charging	≥0.95			
	Battery Low Alarm/Cutoff	11.0 / 10.5VDC	22.5 / 22.0VDC	45.0 / 44.0VDC	
	Battery High Alarm/Cutoff	15.0 / 16.0VDC	30.0 / 32.0VDC	60.0 / 64.0VDC	
Control Panel	LCD Display	(1) Output : AC Voltage, Frequency (2) Output : Load%, Temperature (3) Input : DC Voltage, Discharge Current, Solar Voltage (4) Input : AC Voltage, Frequency			
	LED Display	AC Input, DC Input, Bypass, Inverter, Fault, Load,			
Audible Alarm	Low Battery	Beeping every second			
	Fault; Overload; Short	Beeping continuously			
Environment	Operation Temperature	0° C ~ 40° C			
	Relative Humidity	0~90%, non-condensing			
	Audible Noise	Less than 55dBA at 1M			
Dimension	W X H X D (mm)	305*505*165			335*570*190
Net Weight	Kgs	13.5			18.5

* Long Time reserves the right to change specification without prior notice.

Note: