

LUMINOUS

SOLAR INVERTERS

The Solar Ready UPS

NXG range is a hybrid UPS range that intelligently uses grid and solar power. With ability to operate in a wide voltage range, NXG is the ideal starter solar solution for homes. Available from 300VA to 1500VA.



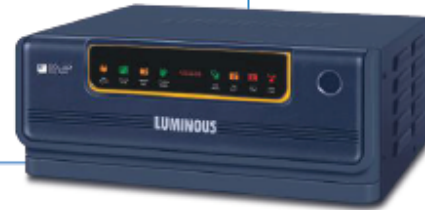
2 Years
Warranty



Maximized Solar
Usage



User Defined
Settings



ISOT Technology

Intelligent Solar Optimization Technique (ISOT) maximizes solar energy usage in both backup and charging mode of operation.



Fast Charging

i-charge technology enables charging of batteries in a short time. This is a user defined setting.



ECO and UPS Mode

Choice between Eco mode that conserves battery (Ideal for low voltage areas) and UPS mode (Ideal for computer loads)



Safety and Protection

In-built protection against deep discharge, overcharge, excessive current and short-circuit.

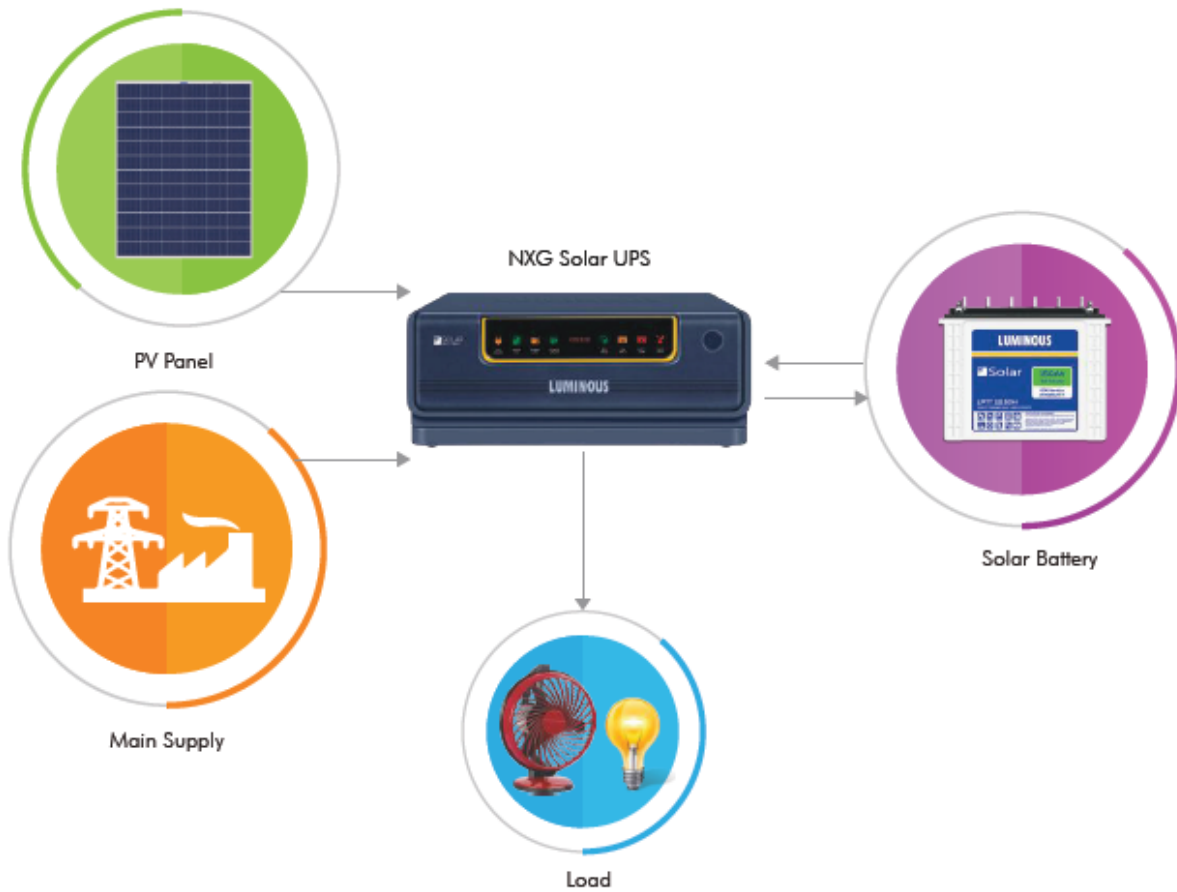


Pure Sine Wave Output

Ensures noiseless operation and safety of connected appliances.

Solar Estimation Chart

Solution			Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)
Solar UPS	Solar Battery	PV Panel Watt		
NXG 350	120 Ah x 1	165 Wp x 1 No.s	1 (S)	20
NXG 750	120 Ah x 1	165 Wp x 2 No.s	2 (P)	40
NXG 1100	150 Ah x 1	165 Wp x 4 No.s	4 (P)	80
NXG 1400	150 Ah x 1	165 Wp x 4 No.s	4 (P)	80
NXG 1800	150 Ah x 2	325 Wp x 3 No.s	3 (P)	100



Technical Specifications

Model Name	NXG 350	NXG 750	NXG 1100	NXG 1400	NXG 1800
Capacity (VA)	300VA	500VA	850VA	1100VA	1500VA
Nominal Battery Voltage (Vdc)	12V	12V	12V	12V	24V
Output Waveform	Square Wave	Sine Wave			
SOLAR PHOTOVOLTAIC INPUT					
Charge Controller Type	PWM				
Charge Controller Rating	10Amp/12V	20Amp/12V	40Amp/12V	40Amp/12V	40Amp/24V
Maximum PV Power	12V upto 200 Wp	12V upto 400 Wp	12V upto 1000 Wp		24V upto 1000 Wp
Input Voltage range (Voc)	19-25	19-25	19-25	19-25	38-50
Input Voltage range (Vmp)	17-19	17-19	17-19	17-19	34-39
GRID INPUT					
Operating Voltage Range	90V-290V	100V-290V			
GRID OUTPUT					
No Load Output	230±5V	230±10V	220±5V		
Output frequency battery mode	50Hz±0.5Hz				
No load current (UPS switch off)	< 65mA				
UPS efficiency	≥ 80%*				≥ 85%*
BATTERY					
Battery charging through Mains	Main Charge LED Green	Mains LED steady + Mains charge LED steady			
Battery charging through Mains + Solar	Main charge LED Orange	Mains LED steady+Mains charge LED steady+solar CHG LED steady/Blinking			
Battery charging through Solar	Main Charge LED Red	Solar CHG LED Blinking + Mains charge LED OFF			
Low battery pre-alarm indication		Battery low LED blinking			
Solar optimization after battery fully charged	NA	ON mains+power save LED on+ON battery LED on+solar charge LED blinking			
PROTECTIONS					
Over load	100% % for 5 Sec	110% - 150% for 30 Sec.	110% for 4.5 Min.	110% for 30 Sec.	110% for 4.5 Min.
		150%-180% for 10 Sec.	120% for 1 Min	120% for 5 Sec.	120% for 1 Min
	200%- Short circuit	200%- Short circuit	150% for 10 Sec.	200% for 1 Sec.	150% for 10 Sec.
		NA	200% for 1 Sec.		200% for 1 Sec.
Overload shutdown indication in UPS mode	Overload LED steady				
Overload pre-alarm indication in UPS mode	NA	Overload LED slow blinking			
Short circuit indication in UPS mode	Overload LED fast blinking				
Protections	Short circuit, overload, high temperature, battery low cut off				
Indications	Switch on, Battery Charging;mains, solar, mains+solar; Overload, Short circuit, i-charge [†]				
Additional features	USB Charging	NA			
DISPLAY INDICATIONS					
Switch on indication	UPS / ECO LED ON	Switch LED ON			
UPS on indication	UPS / ECO LED ON	Battery LED ON			
Internal fault	NA	NA	Service assistance LED on		
Mains on indication	LED Green Mains charge	Mains LED steady			
Mains charging current selection charge	NA	6A (i-Charge Off)/ 10A (i-Charge ON)	10A (i-Chg OFF)/15A (i-Chg ON)		
DC overload indication	NA	NA	(Mains LED+overload) blinking		NA
GENERAL					
Net weight (Kg)	4.6Kg	9.3Kg	11.5Kg	14.6Kg	15.66Kg
Gross weight (Kg)	5.3Kg	10.7Kg	12.7Kg	16.03Kg	16.90Kg
Dimensions LxWxH (mm)	232x123x196	375X315X135	375X315X135	375X315X150	375X315X150

*Peak Efficiency

Technical specifications are subject to change without prior notice.

#Not applicable for NXG 350 *Not applicable for NXG 350, NXG 750