

LUMINOUS

NXG INVERTER

Off Grid

NXG range is a solar inverter 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.



UPS Mode
Sensitive Appliances



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.



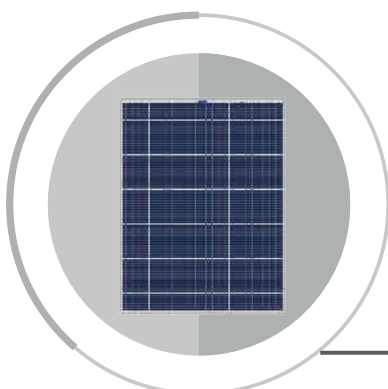
Pure Sine Wave Output

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+ 850VA	150 Ah x 1	170 Wp x 5 No.s	5 (P)	80
NXG 1100VA	200 Ah x 1	170 Wp x 6 No.s	6 (P)	80
NXG 1500VA	200 Ah x 2	375 Wp x 4 No.s	4 (P)	100



PV Panel



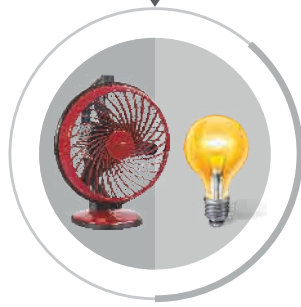
Main Supply



NXG Solar Inverter



Solar Battery



Load

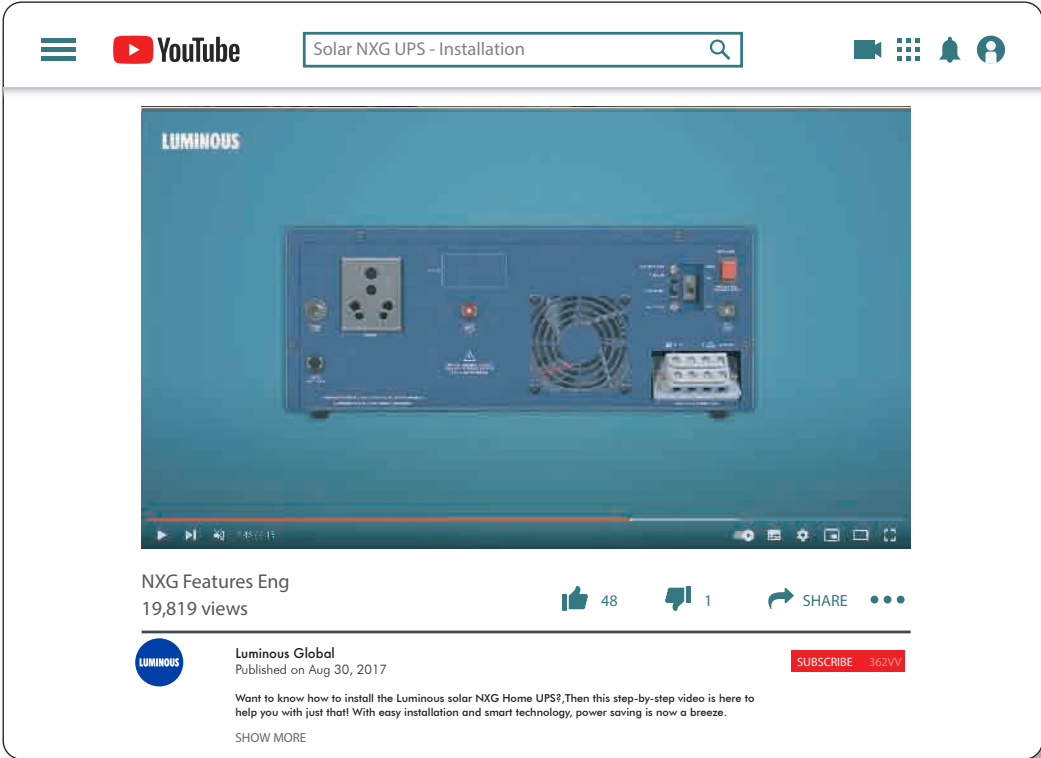
Off Grid

SOLAR

Technical Specifications

Model Name	NXG+ 850VA		NXG 1100VA	NXG 1500VA
Nominal Battery Voltage (Vdc)	12V		12V	24V
Capacity (VA)	850VA		1100VA	1500VA
Output Waveform	Sine Wave			
SOLAR PHOTOVOLTAIC INPUT				
Charge Controller Type	PWM			
Charge Controller Rating	40Amp/12V	40Amp/12V		40Amp/24V
Maximum PV Power	12V upto 800 Wp	12V upto 1000 Wp		24V upto 1000 Wp
Input Voltage range (Voc)	19-25	19-25		38-50
Input Voltage range (Vmp)	17-19	17-19		34-39
GRID INPUT				
Operating Voltage Range	90V-290V			
GRID OUTPUT				
No load output	230V+/-10V			
Output frequency battery mode	50Hz±0.5Hz			
Inverter Efficiency	>80%			
USER SELECTABLE SWITCHES				
Mode Selections	Solar/Solar+Grid/Grid+Solar			
Battery Type Selections	Tubular/Flat Plate/VRLA			
MAINS CHARGING CURRENT				
Solar Mode	0A*			
Solar + Grid Mode	15A±2A			
Grid + Solar Mode	20A±2A			
BATTERY				
No. of Batteries	1			2
Battery Charging Current	0A, 15A, 20A			
Type of Battery Supported	Tubular/Flat Plate/VRLA			
PROTECTIONS				
Overload	>105%			
Protections	Short circuit, Overload, Over temperature, Low Battery, No Load Shutdown			
Indications	Mains Available, Solar Charging, Grid Charging, Power Saving, System On, Low Battery, Overload			
DISPLAY INDICATIONS		LED INDICATIONS	LCD DISPLAY	
System ON indication	System ON LED Steady		Mains Available, Power Saving, Solar Current, Solar Power, System On, Grid Charging, Low Battery, Overload, No Load Shutdown	
Mains ON indication	ON Mains LED steady			
Charging ON indication	ON Mains LED steady + CHG. LED Steady			
Low battery pre-alarm indication	System ON LED Steady + Battery Low LED Blinking			
Low battery indication	Battery Low LED Steady			
Battery Charged Indication	ON Mains LED steady + CHG. LED Off			
Overload Indication	Overload LED Steady			
Short circuit indication in UPS mode	Overload LED Blinking/(ON Mains & Overload LED) Blinking			
DC overload indication	ON Mains + Charge LED Blinking			
Thermistor Open/Short Indication	ON Mains LED & Overload LED Steady			
Output Feedback open/Reverse	ON Mains LED & Overload LED Blinking			
Battery Charging Through Solar	Solar Charging LED Blinking			
Power Saving Mode	Power Saver Steady + Solar Chg. LED Blinking/Steady			
Battery Charging Through Solar + Mains	LED + Charge LED Steady + Solar Charging LED Blinking			
No Load Shutdown	System ON LED Blinking			
Solar Over Current	Solar Charging LED Blink Faster			
GENERAL				
Net Weight (Kg)	11.8 kg		16.5 kg	17.1 kg
Gross weight (Kg)	13 Kg		17.8 Kg	18.5 kg
Dimensions LxWxH (mm)	455x405x210 mm		465x415x215 mm	

For more information



Find the product video on our **YouTube** channel
youtube/c/LuminousGlobal