

# 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.



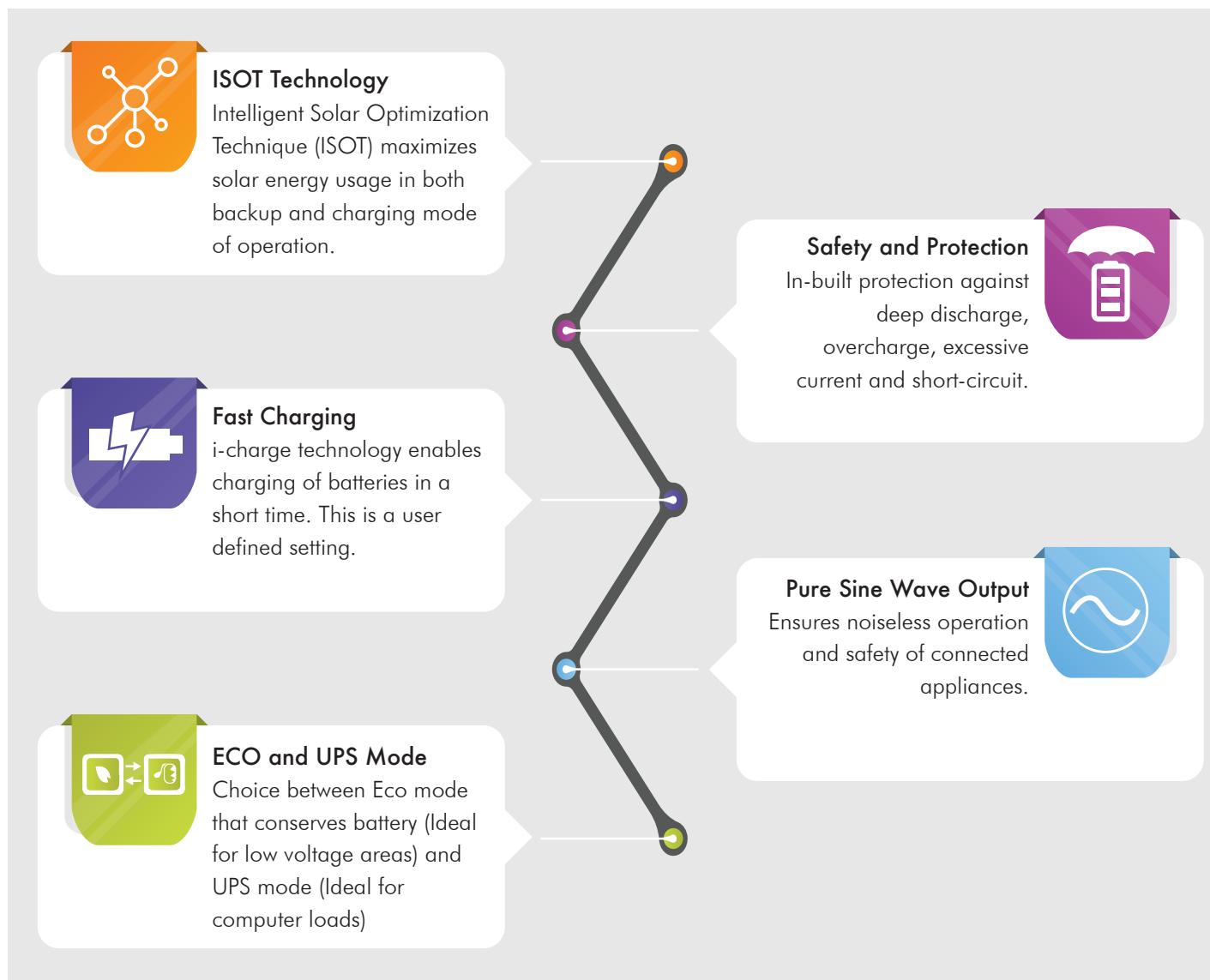
UPS Mode  
Sensitive Appliances



Maximized Solar  
Usage

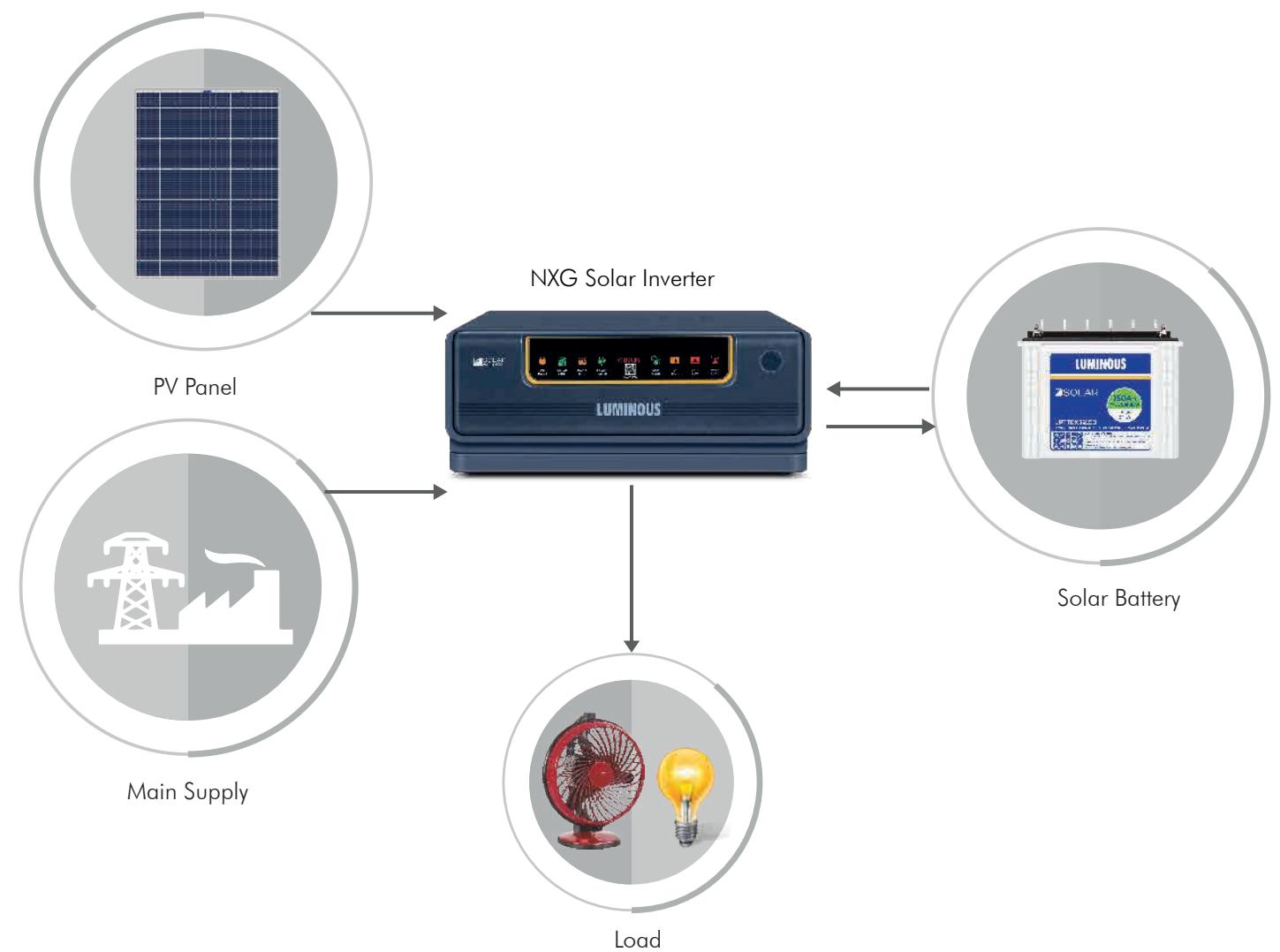


User Defined  
Settings



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



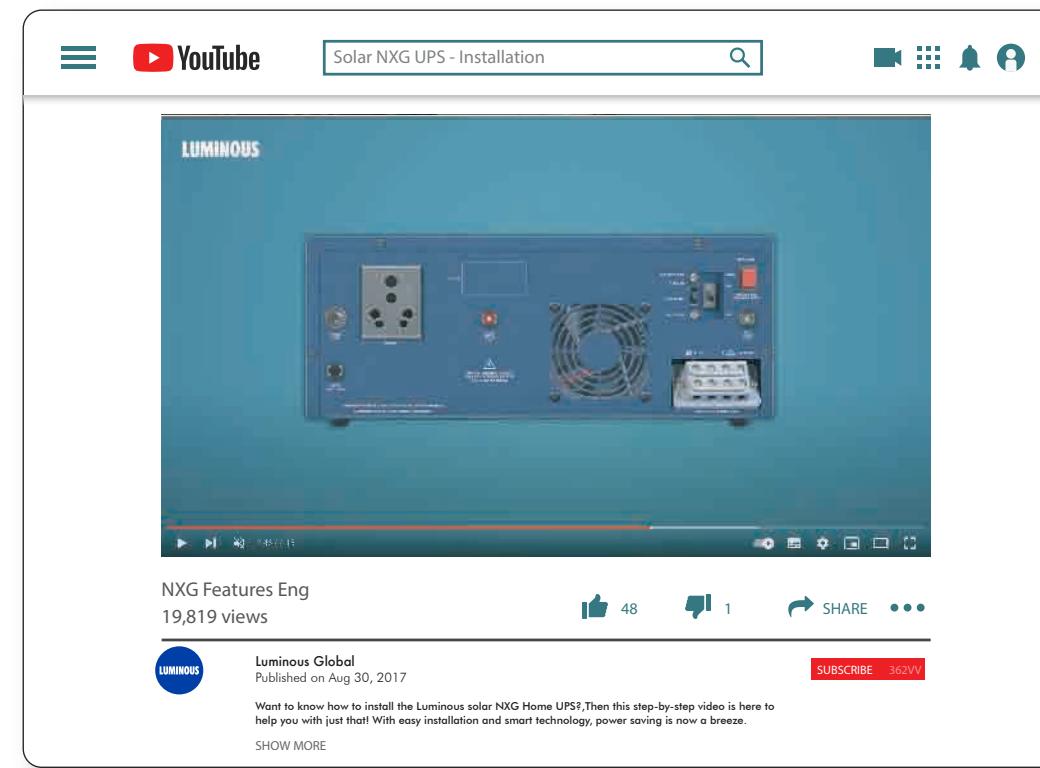
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## Technical Specifications

Model Name	NXG+ 850VA	NXG 1100VA	NXG 1500VA
Nominal Battery Voltage (Vdc)	12V	12V	24V
Capacity (VA)	850VA	1100VA	1500VA
Output Waveform	Sine Wave		
<b>SOLAR PHOTOVOLTAIC INPUT</b>			
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
<b>GRID INPUT</b>			
Operating Voltage Range	90V-290V		
<b>GRID OUTPUT</b>			
No load output	230V+/-10V		
Output frequency battery mode	50Hz±0.5Hz		
Inverter Efficiency	>80%		
<b>USER SELECTABLE SWITCHES</b>			
Mode Selections	Solar/Solar+Grid/Grid+Solar		
Battery Type Selections	Tubular/Flat Plate/VRLA		
<b>MAINS CHARGING CURRENT</b>			
Solar Mode	0A*		
Solar + Grid Mode	15A±2A		
Grid + Solar Mode	20A±2A		
<b>BATTERY</b>			
No. of Batteries	1	2	
Battery Charging Current	0A, 15A, 20A		
Type of Battery Supported	Tubular/Flat Plate/VRLA		
<b>PROTECTIONS</b>			
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		
<b>DISPLAY INDICATIONS</b>	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		
<b>GENERAL</b>			
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](https://www.youtube.com/c/LuminousGlobal)

**Off Grid**

**SOLAR**