

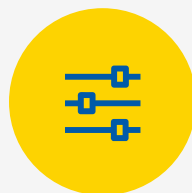
# NXG INVERTERS

## For Savings & Backup

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.



2 Years  
Warranty



New Saving  
modes



Max Capacity  
Utilization



**3 User Settable Saving Modes**  
Solar, Solar+Grid, Grid+Solar



**Max Capacity Utilization**  
Connect Solar Panels equivalent to Solar Inverter's VA ratings



**Intelligent Load Sharing**  
Maximum utilization of solar power and battery



**Powerful Charging on Low Voltage**  
Charges even at 90V making it ideal for areas having low voltage problem



**Informative LCD Display**  
View important parameters such as daily solar generation data, battery status, alerts, etc.

## Solar Estimation Chart

Solution			Panel Connection Combination (Series-Parallel)	Approx. Roof Top Area Required (Sq. ft.)
Solar Inverter	Solar Battery	PV Panel Watt		
NXG 850e	150Ah x 1	170Wp x 3 Nos.	3 (P)	60
NXG 1150e	150 Ah x 1	170Wp x 5 Nos.	5 (P)	100
NXG 1450e	150Ah x 1	170Wp x 6 Nos.	6 (P)	120
NXG 1850e	150 Ah x 2	550Wp x 3 Nos.	3 (P)	180
NXG 2350	150Ah x 2	550Wp x 4 Nos.	4 (P)	240

## NXG Solar Inverter




## Technical Specifications

Model Name	NXG 850e	NXG 1150e	NXG 1450e	NXG 1850e	NXG 2350
Nominal Battery Voltage (Vdc)	12V	12V	12V	24V	24V
Capacity (VA)	500VA	850VA	1100VA	1500VA	2000VA
Output Waveform	Sine Wave				
SOLAR PHOTOVOLTAIC INPUT					
Charge Controller Type	PWM				
Charge Controller Rating	30A	50A	60A	40A	55VA
Maximum PV Power	500Wp	850Wp	1100Wp	1500Wp	2000Wp
Input Voltage range (Voc)	18V-25V	18V-25V	18V-25V	36V-60V	36V-60V
GRID INPUT					
Operating Voltage Range	90V-290V				
GRID OUTPUT					
No Load Output	230V +/- 10V				
Output frequency battery mode	50 Hz +/- 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	10A±2A		15A±2A		
Grid + Solar Mode	15A±2A		20A±2A		
BATTERY					
No. of Batteries	1			2	
Battery Charging Current	0A,10A,15A		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 LED + 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	ON 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)	8.2 kg	11.8 kg	16.5 kg	17.1 kg	18.5 kg
Gross weight (Kg)	9.7 kg	13 kg	17.8 kg	18.5 kg	20 kg
Dimensions LxWxH (mm)	320x302x130 mm			320x275x150 mm	

Technical specifications are subject to change without prior notice.

For more information



INDIA'S MOST DEPENDABLE RANGE OF  
**SOLAR INVERTERS**

Luminous NXG Inverters | A new world of Solar Technology  
19,819 views

LUMINOUS Luminous India  
Published on 3 Mar 2022

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