

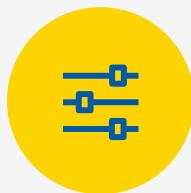
NXG INVERTERS

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	PWM							
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



Luminous NXG Inverters | A new world of Solar Technology

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Luminous India

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