



Solar NXG UPS

Luminous Solar UPS are hybrid UPS available in the range of 300VA-1500VA with inbuilt charge Controllers which support PV modules up to 1000Wp. With proprietary iSOT technology it saves 1.5 to 3 Units per day resulting in substantial savings.

Range available: | 350, 750, 1100, 1400 & 1800

Features	Benefits
Intelligent logic control (simultaneous charging from solar and mains with priority to solar)	25%-30% savings on electricity bill, Reduced charging time
Pure sine wave UPS with 85% efficiency [#]	Very safe for sensitive products like TV, PC, laptops, refrigerators etc.
iSOT: Intelligent solar optimization technique	Power saving of 1.5 to 3 units per day*
Inbuilt charge controller with 98% efficiency	Fast charging of batteries from solar
Intelligent battery monitoring	Protects battery from over charge for longer life
Battery charging commences at 110Volt	Suitable for both rural & urban areas
AC & DC Output [^]	Runs AC and DC appliances

Technical Specifications					
Model Name	NXG 350	NXG 750	NXG 1100	NXG 1400	NXG 1800
Capacity/Battery Voltage	300VA/12V	500VA/12V	850VA/12V	1100VA/12V	1500VA/24V
Solar Panel	12V upto 200 Wp	12V upto 400 Wp	12V upto 1000 Wp	12V upto 1000 Wp	24V upto 1300 Wp
Operating Voltage	90V-290V	100V-290V	100V-290V	100V-290V	100V-290V
Output waveform	Square Wave	Sine Wave	Sine Wave	Sine Wave	Sine Wave
UPS Efficiency*	> 80 %	> 80 %	> 80 %	> 80 %	> 85 %
Charge Controller Rating	10 Amp/12V	20 Amp/12V	40 Amp/12V	40 Amp/12V	40 Amp/12V
DC Load O/P	NA	NA	12V upto 20 Amp	12V upto 20 Amp	12V upto 5 Amp
Protections	Short circuit, overload, high temperature, battery low cut-off				
Indications	Switch on, Battery Charging: mains, solar, mains+solar; Overload, Short circuit, i-charge [#]				
Net Weight	4.6 Kg	9.3 Kg	11.5 Kg	14.6 Kg	15.66 Kg
Dimensions LxWxH (mm)	232x123x196	375x315x135	375x315x135	375x315x150	375x315x150

Technical Specifications					
Model No.	NXG 350	NXG 750	NXG 1100	NXG 1400	NXG 1800
Output					
Capacity	300VA	500VA	850VA	1100VA	1500VA
No load output	230V±5V	220V±5V			
Output frequency	50Hz±0.5Hz				
Output waveform	Square Wave	Sine Wave			
No load current (UPS switch off)	< 65mA				
UPS efficiency	> 80%*	> 80%*	> 80%*	> 80%*	> 85%*
Over load	100% % for 5 Sec.	110% - 150% for 30 Sec.	110% for 4.5 Min.		
		150%-180% for 10 Sec.	120% for 1 Min.		
	200%- Short circuit	200%- Short circuit	150% for 10 Sec.		
		NA	200% for 1 Sec.		
Charge controller rating	10Amp/12V	20Amp/12V	40Amp/12V	40Amp/12V	40Amp/24V
DC load O/P	NA	NA	12V upto 20Amp		12V/upto 5Amp
Protections	Short circuit, overload, high temperature, battery low cut off				
Additional features	USB Charging for mobile				
Front Panel Display Indications					
Switch on indication	UPS / ECO LED ON	Switch LED ON			
UPS on indication	UPS / ECO LED ON	Battery LED ON			
Low battery pre-alarm indication	Battery low LED blinking				
Low battery trip indication	Low Batt. LED Steady				
Internal fault	NA	NA	Service assistance LED on		
Mains on indication	Mains LED steady				
Battery charging through mains	Mains charge LED Green	Mains LED steady + Mains charge LED steady			
Battery charging through mains + solar	Mains charge LED Orange	Mains LED steady+Mains charge LED steady+solar CHG LED steady/Blinking			
Battery charging through solar	Mains charge LED Red	Solar CHG LED blinking + Mains charge LED off			
Overload pre-alarm indication in UPS mode	NA	Overload LED slow blinking			
Overload shutdown indication in UPS mode	Overload LED steady				
Short circuit indication in UPS mode	Overload LED fast blinking				
Solar optimization after battery fully charged	NA	ON mains+power save LED on+ON battery LED on+solar charge LED blinking			
Mains charging current selection Switch (i-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		
Net weight	4.6Kg	9.3Kg	11.5Kg	14.6Kg	15.66Kg
Gross weight	5.3Kg	10.6Kg	12.7Kg	15.9Kg	16.90Kg
Dimensions LxWxH (mm)	232x123x196	375x315x135	375x315x135	375x315x150	375x315x150

*Peak Efficiency

#Not applicable for NXG 350

^Not applicable for NXG 350, NXG 750