

SOLAR INVERTERS

The Solar Ready UPS

NXG range is a hybrid UPS 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. Also available from 500VA to 850VA

**GET SAVING AND
BACKUP TOGETHER**



SOLAR
NXG+ 850VA | 12V



**SAVES
MONEY**



**LONGER POWER
BACKUP**



**UPS MODE FOR
SENSITIVE APPLIANCES**



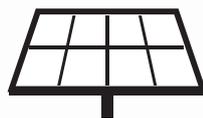
**ISOT
TECHNOLOGY**



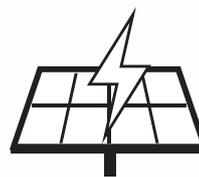
**PURE SINE
WAVE OUTPUT**



**IN-BUILT 50A SOLAR
CHARGE CONTROLLER**



**SUPPORTS UPTO 850W
SOLAR PANELS**



**WIDE OPERATING PANEL
VOLTAGE RANGE (VOC): 18V-25V**

Technical Specifications

Rating	850VA
INPUT	
Battery voltage	12 V
Solar panel	850Wp, 18V-25V VOC
MAINS MODE	
Mains high cut	290V ± 10V
Mains high cut recovery	280V ± 10V
Mains low cut	90V ± 5V
Mains low cut recovery	105V ± 5V
BATTERY VOLTAGE DURING CHARGING	
Battery Boost Voltage	14V ± 0.2V
Battery Float Voltage	13.60V ± 0.2V
MAINS CHARGING CURRENT (SOLAR MODE)	
Charging Current	0A*
MAX MAINS CHARGING CURRENT (SOLAR + GRID MODE)	
Charging Current	15A ± 2A
MAX MAINS CHARGING CURRENT (GRID + Solar MODE)	
Charging Current	20A ± 2A
OUTPUT	
No Load Output	230V ± 10V
Output Frequency	50Hz ± 0.5Hz
Output Wave Form	SINE WAVE
Load Performance Factor	0.6 to 0.8 [#]
Overload	>105%
Protections	Short Circuit, Overload, High Temperature, Low Battery
Inverter efficiency	12V, ~75%
Solar section efficiency	~95%
FRONT PANEL DISPLAY INDICATIONS	
System ON Indication	System ON LED Steady
Low Battery Pre Alarm Indication	System ON LED Steady+Batt. Low LED Blinking
Low Battery Indication	Battery Low LED Steady
Mains ON Indication	ON Mains LED steady
Charging ON Indication	ON Mains LED steady + CHG. LED steady
Battery Charged Indication	ON Mains LED steady + CHG. LED Off
Overload Indication	Overload LED Steady

Technical Specifications

Short Circuit Indication in UPS Mode	Overload LED Blinking/(On Mains & Overload LED) Blinking**
Thermistor Open/Short Indication	ON Mains LED & Overload LED Steady
Output Feedback Open/ Reverse	ON Mains LED & Overload LED Blinking
DC OverVolt Indication	ON Mains LED + Charge LED Blinking
Batt. 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 ON + Charging LED Steady + Solar Charging LED Blinking
No Load Shutdown	System ON LED Blinking
Solar Over Current	Solar Charging LED Blink Faster
BUZZER SOUND INDICATIONS	
System ON	2 Beeps
Pre-alarm ON	1 Beep At Every 30 Second Interval
Battery Low	10 Second Steady Beep
Overload	10 Second Steady Beep
Short Circuit	10 Second Steady Beep
DC OverVolt	Beeps Every Second
Output Feedback Open/Reverse	10 Second Steady Beep
Mains to UPS Changeover	2 Beeps
USER SELECTABLE SWITCHES	
Battery Type	Tubular/Flat Plate/VRLA/GEL
Mode Selections	Solar/Solar+Grid/Grid+Solar
PHYSICAL	
Net weight (Kg.)	11.8 Approx
Gross weight (Kg.)	13.0 Approx
Dimensions (LxWxH) (mm)	320x302x130mm
ENVIRONMENTAL	
Operating temperature	0-45° C (32-104°F)
Humidity	0-95% RH non-condensing

Due to continuous product improvement, the specifications are subject to change without notice.

*For resistive load (incandescent bulb rated 250V AC) at optimum battery voltage.