

ON/OFF Grid High frequency Hybrid Solar Inverter
NGXII-5K Series (5KW)



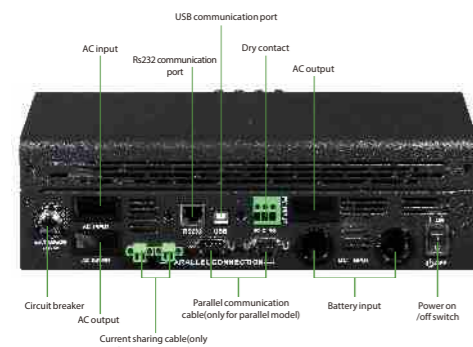
Introduction

This is a multi functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

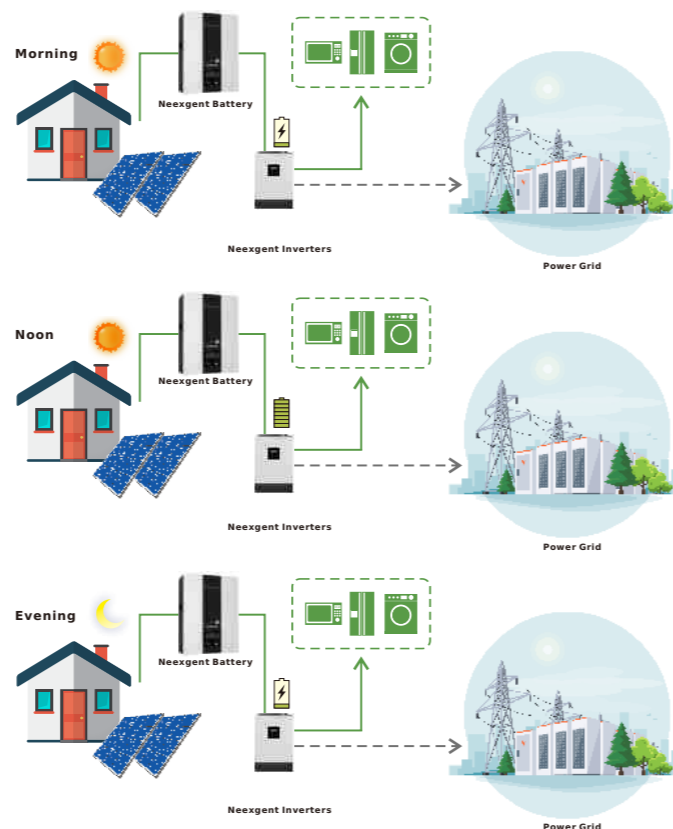
Features

- High efficiency pure sine wave inverter(PF=1);Wide PV input range (120Vdc - 450Vdc) 80A MPPT SCC;Intelligent 3 stage 80A AC battery charger.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range (90V ac ~280Vac) for unreliable grid even in the most challenging environments.
- Monitor, troubleshoot, or communication with USB/RS 232.
- System configures quickly into compact, wall-mounted system.
- This series inverters can work without batteries when there is the sun.
- Parallel operation with up to 9 units.

Product Overview



Solar system connection



Specification

MODEL	NGXII-5K
Rated Power	5000VA/5000W
Parallel Capability	Yes,9 units
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)
Frequency	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC ± 5%
Surge Power	10000VA
Efficiency (Peak)	90%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	4500W
MPPT Range @ Operating Voltage	120VDC-430VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
PHYSICAL	
Dimension,DxWxH (mm)	120*295*468
Net Weight (kgs)	11
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C-60°C

Approximate Back-Up Time Table:

Model	Load(VA)	Backup Time @48Vdc 100Ah(min)	Backup Time @48Vdc 200Ah(min)
5KVA	1000	268	613
	2000	111	271
	3000	76	182
	4000	50	112
	5000	40	90

The technical specifications of this document are subject to change without any notice