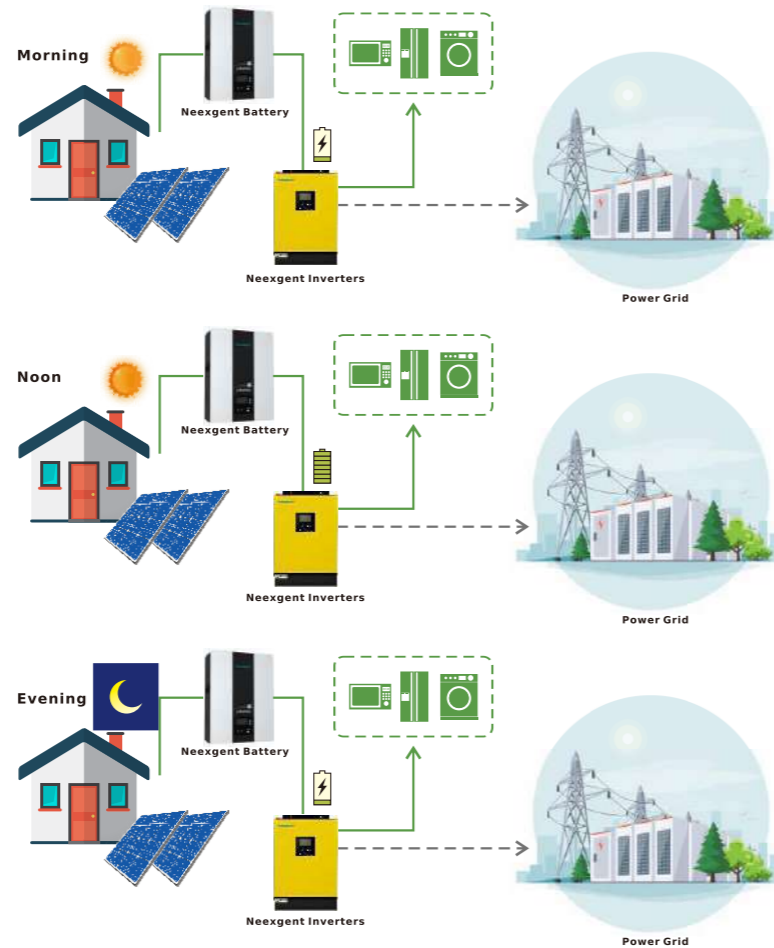


**ON/OFF Grid High frequency Hybrid Solar Inverter**  
**NGX5032 Series (5KW)**



**Features**

- Pure sine wave output
- Self-consumption and feed in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operation modes: Grid-tie, Off-grid and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS232, Modbus and SNMP
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units for 10KW



**Specification**

Model	HYG5032
PHASE	1-phase in/1 phase out
Max. PV INPUT POWER	5000W
Rated Output Power	5000W
Maximum Charging Power	4800 W
<b>GRID TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage/Max. DC Voltage	720 VDC/900 VDC
Start-up Voltage/Initial Feeding Voltage	225 VDC/250 VDC
MPP Voltage Range	250 VDC-850 VDC
Number of MPP Trackers	2/2x10A
Maximum Input Current	2/2x10A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	208/220/230/240 VAC
Output Voltage Range	184-265 VAC*
Nominal Output Current	21A
<b>OFF GRID OPERATION</b>	
<b>AC INPUT</b>	
AC start-up Voltage	120-140 VAC/180 VAC
Auto Restart Voltage	120-140 VAC/180 VAC
Acceptable Input Voltage Range	170-280 VAC
Max. AC Input Current	21A
<b>PV INPUT (DC)</b>	
Max. DC Voltage	900 VDC
MPP Voltage Range	250 VDC-850 VDC
Number of MPPT trackers/Max. Input Current	2/2x10A
<b>BATTERY Mode Output (AC)</b>	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
<b>HYBRID OPER/EON</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage/Max. DC Voltage	720 VDC/900 VDC
Start-up Voltage/Initial Feeding Voltage	225 VDC/ 250 VDC
MPP Voltage Range	250 VDC- 850 VDC
Number of MPP Trackers/Max. Input Current	2/2x10A
<b>GRID OUTOUT (AC)</b>	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Voltage Range	184-264.5 VAC*
Nominal Output Current	21A
<b>AC INPUT</b>	
AC Start-up Voltage/Auto Restart Voltage	120-140 VAC/180 VAC
Acceptable Input Voltage Range	170-280 VAC
Max. AC Input Current	30A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	202/208/220/230/240 VAC
Efficiency (DC to AC)	93%
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, DxWxH (mm)	204.2 x 460x 600
Net weight (kgs)	29
<b>ENVIRONMENT</b>	
Humidity	0 -90%RH
Operating Temperature	-10 to 55 ° C
Altitude	0-1000 m**

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