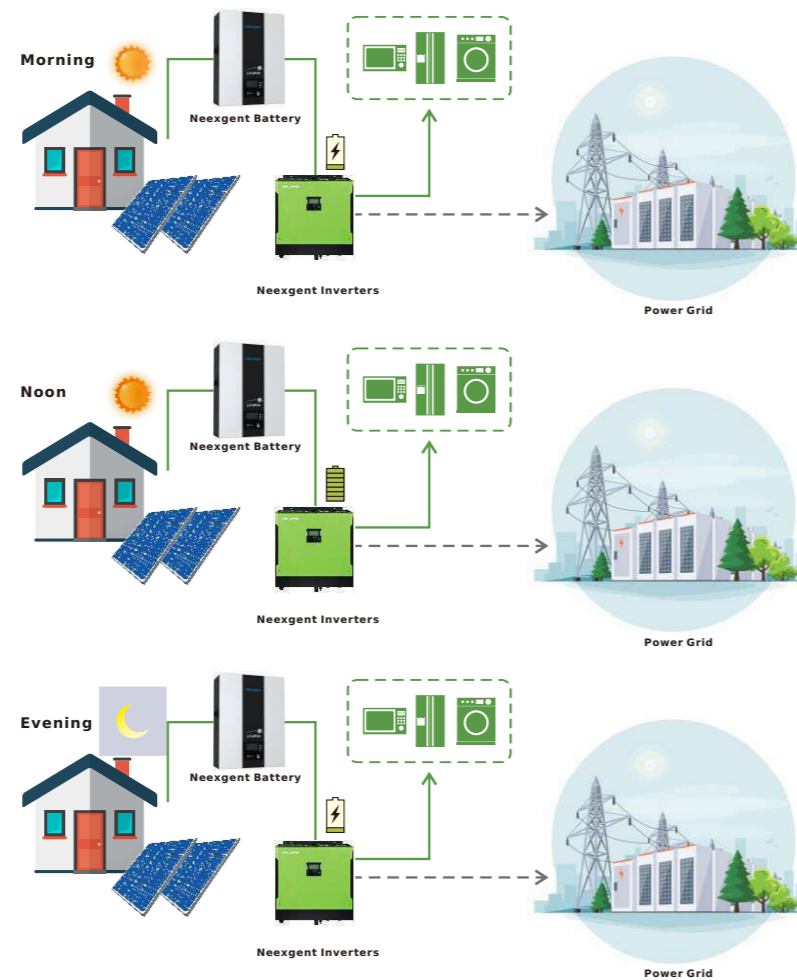


ON/OFF Grid High frequency Hybrid Solar Inverter
NGX1033 Series (10KW)



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	HYG1033
PHASE	3-phase in/3-phase out
Max. PV INPUT POWER	14850W
Rated Output Power	10000W
Maximum Charging Power	9600 W
GRID TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage/Max. DC Voltage	720 VDC/900 VDC
Start-up Voltage/Initial Feeding Voltage	320 VDC/350 VDC
MPP Voltage Range	400 VDC-800 VDC
Number of MPP Trackers	2/2x18.6A
Maximum Input Current	2/2x18.6A
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N)/400 VAC (P-P)
Output Voltage Range	184-265 VAC* per phase
Nominal Output Current	14.5A per phase
Nominal Output Current	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency@Vnominal	95%
OFF GRID OPERATION	
AC INPUT	
AC start-up Voltage	120-140 VAC per phase
Auto Restart Voltage	180 VAC per phase
Acceptable Input Voltage Range	170-280 VAC per phase
Max. AC Input Current	40A
PV INPUT (DC)	
Max. DC Voltage	900 VDC
MPP Voltage Range	400 VDC-800 VDC
Number of MPP Trackers/Max. Input Current	2/2x18.6A
BATTERY Mode Output (AC)	
Nominal Output Voltage	230 VAC (P-N)/400 VAC (P-P)
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	91%
HYBRID OPER/EON	
PV INPUT (DC)	
Nominal DC Voltage/Max. DC Voltage	720 VDC/ 900 VDC
Start-up Voltage/Initial Feeding Voltage	320 VDC/ 350 VDC
MPP Voltage Range	400 VDC-800 VDC
Number of MPP Trackers/Max. Input Current	2/2x18.6A
GRID OUTOUT (AC)	
Nominal Output Voltage	230 VAC (P-N)/400 VAC (P-P)
Output Voltage Range	184-264.5 VAC* per phase
Nominal Output Current	14.5A per phase
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140 VAC per phase/180 VAC per phase
Acceptable Input Voltage Range	170-280 VAC per phase
Max. AC Input Current	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N)/400 VAC(P-P)
Efficiency (DC to AC)	91%
BATTERY& CHARGER	
Battery DC Voltage	48V
Max. Charging Current	Default 60A, 10A-200A (Adjustable)
GENERAL	
PHYSICAL	
Dimension, DxWxH (mm)	167.5x500x622
Net weight (kgs)	45
INTERFACE	
Communication Port	RS-232/USB and CAN Interface
ENVIRONMENT	
Humidity	0 -90%RH
Operating Temperature	-10 to 55 °C
Altitude	0-1000 m**