

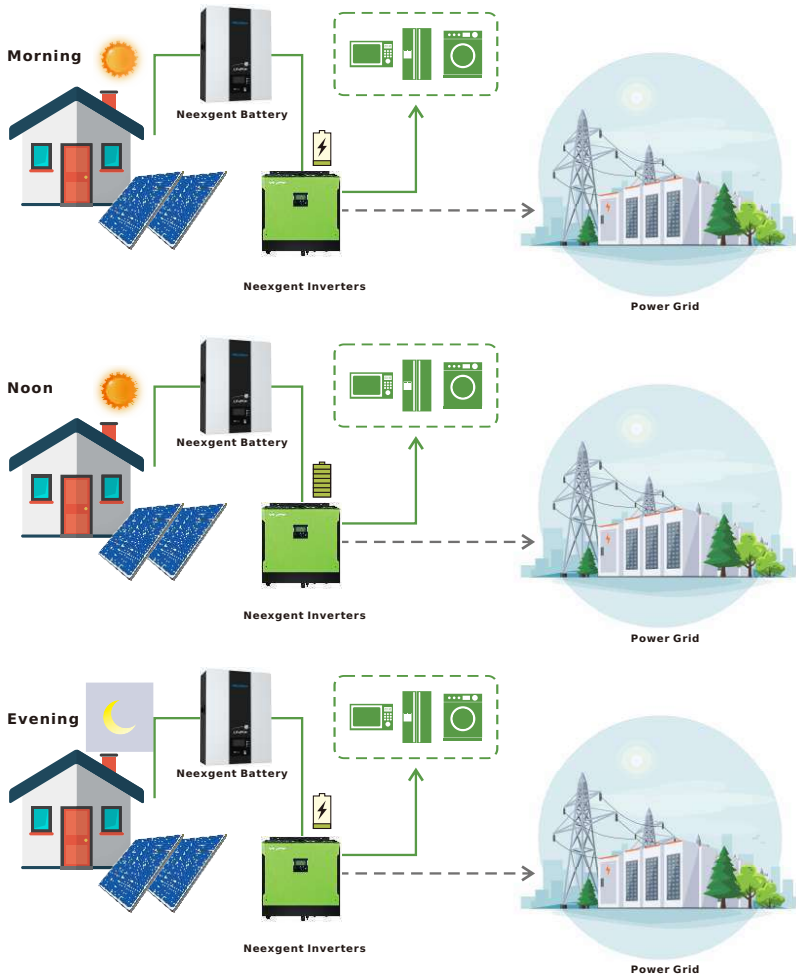
ON/OFF Grid High frequency Hybrid Solar Inverter

NGX5532 Series (5.5KW)



Features

- Pure sine wave output
- Self-consumption and deed 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 rel-time status display and control
- Parallel operation up to 6 units for 10KW



Specification

Model	HYG5532
PHASE	1-phase in/1 phase out
Max. PV INPUT POWER	6500W
Rated Output Power	5500W
Maximum Charging Power	2880 W
GRID TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage/Max. DC Voltage	360 VDC/500 VDC
Start-up Voltage/Initial Feeding Voltage	116 VDC/150 VDC
MPP Voltage Range	120 VDC-450 VDC
Number of MPP Trackers	2/2x13A
Maximum Input Current	2/2x13A
GRID OUTPUT (AC)	
Nominal Output Voltage	208/220/230/240 VAC
Output Voltage Range	184-265 VAC*
Nominal Output Current	23.9A
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/180 VAC
Auto Restart Voltage	120-140 VAC/180 VAC
Acceptable Input Voltage Range	170-280 VAC
Max. AC Input Current	40A
PV INPUT (DC)	
Max. DC Voltage	500 VDC
MPP Voltage Range	120 VDC-450 VDC
Number of MPPTrackers/Max. Input Current	2/2x13A
BATTERY Mode Output (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
HYBRID OPER/EON	
PV INPUT (DC)	
Nominal DC Voltage/Max. DC Voltage	360 VDC/500 VDC
Start-up Voltage/Initial Feeding Voltage	116 VDC/150 VDC
MPP Voltage Range	120 VDC-450 VDC
Number of MPP Trackers/Max. Input Current	2/2x13A
GRID OUTOUT (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Output Voltage Range	184-264.5 VAC*
Nominal Output Current	23.9A
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140 VAC/180 VAC
Acceptable Input Voltage Range	170-280 VAC
Max. AC Input Current	30A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	202/208/220/230/240 VAC
Efficiency (DC to AC)	93%
BATTERY& CHARGER	
Battery DC Voltage	48V
Max. Charging Current	Default 60A
GENERAL	
PHYSICAL	
Dimension, DxWxH (mm)	110*450*445
Net weight (kgs)	16
INTERFACE	
Communication Port	RS-232/USB and CAN Interface
ENVIRONMENT	
Humidity	0 -90%RH
Operating Temperature	0to40℃
Altitude	0-1000 m**