



Nitro-Power NM-II PLUS SERIES

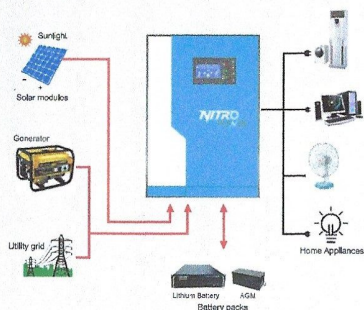
- Pure sine wave solar inverter
- Output power factor 1.0
- Wifi&GPRS available for IOS and android
- Inverter running without battery
- Built-in 100A MPPT solar charger
- High PV input voltage range(120~500VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Wide battery input voltage range:
20~33VDC for 3.5KW ;40~63VDC for 5.5KW



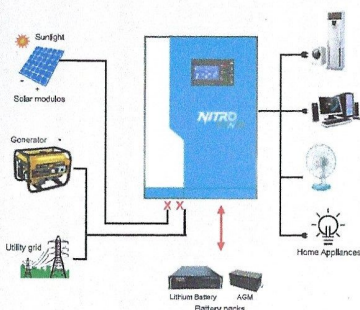
System Diagram

■ Operation with battery connected

1 Solar Power and AC Power available

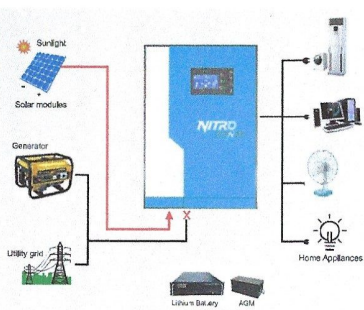


2 Solar Power and AC Power not available

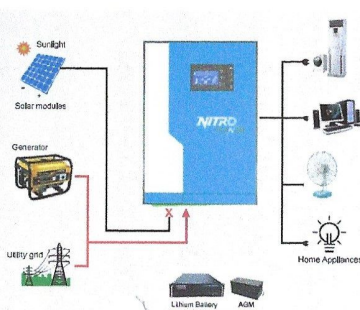


■ Operation without battery connected

3 Solar Power available

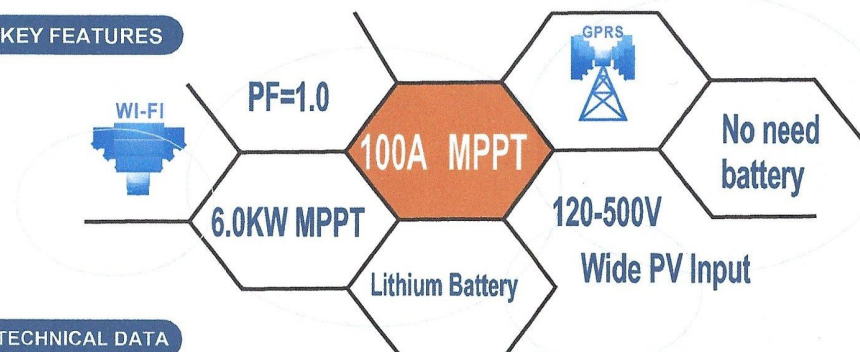


4 AC Power available



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KEY FEATURES



TECHNICAL DATA

Model	Victor NM -II-3500W -PLUS	Victor NM -II-5500W -PLUS
RATED POWER	3500VA/3500W	5500VA/5500W
Input		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC (For Personal Computers) 90~280VAC (For Home Appliances)	
Frequency Range	50 Hz/60Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC±5%	
Surge Power	7000VA	11000VA
Efficiency(Peak) PV to INV	97%	
Efficiency(Peak) Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers) :20 ms (For Home Appliances)	
BATTERY & AC CHARGER		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum AC Charge Current	80A	80A
SOLAR CHARGER		
Maximum PV Array Power	5000W	6000W
MPPT Range @ Operating Voltage	120~450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	100A	100A
Maximum Efficiency	98%	
PHYSICAL		
Dimension, D*W*H (mm)	100*300*440	
Net Weight (kgs)	11	12
Communication interface	USB/RS232/GPRS/WIFI	
OPERATING ENVIRONMENT		
Mumidity	5% to 95% Relative Humidity (Non~condensing)	
Operating Temperature	0° C~55° C	
Storage Temperature	-15° C~60° C	

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