



NOVA

PV-12000

8.2KW

Pure Sine Wave Hybrid Inverter



Product Design By:
Crown Micro Global

Features

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Status indication with RGB lights
- ❖ Built-in Wi-fi for mobile monitoring (Android/IOS App is available)
- ❖ Supports USB On-the-Go function
- ❖ Reserved communication port for BMS
- ❖ Dual output for smart load management
- ❖ Battery independent design
- ❖ With 5" LCD & touch pad
- ❖ Dual MPPT input

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YEARS WARRANTY

1 Year Comprehensive
3 Years Free Services

- ❖ Feed-in to the grid
- ❖ Built-in anti-dust kit
- ❖ RGB light with crown logo
- ❖ Compatible to Utility Mains or generator input
- ❖ Configurable AC/PV output usage timer and prioritization
- ❖ Selectable high power charging current
- ❖ Selectable input voltage range for home appliances and computers
- ❖ Maximum PV input current 27A x 2 (Max 40A)
- ❖ Parallel operation with 6 units



Feed In to
the Grid



RS232/485
for BMS



Built-in
Dual Output



Dual MPPT
Input



Built-in
Wi-fi



Built-in
BMS



Max Efficiency
93%



RGB
Lights



LCD With
Touch Pad



Parallel
Operation
up to 6 units

Specification:

MODEL NAME	Nova - 8.2KW
MODEL NUMBER	NV-8.2KW
Rated Inverter Power	8200VA/8200W
PARALLEL CAPABILITY	YES, 6 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Computers)
	90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Surge Power	16000VA
Efficiency (Peak)	0.93
Transfer Time	10 ms (For Personal Computers)
	20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	
Maximum PV Array Power	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A x 2(MAX 40A)
Maximum Solar Charge Current	150A
Maximum AC Charge Current	150A
Maximum Charge Current	150A
PHYSICAL	
Dimension, D X W X H (mm)	158.4 x 503.6 x 530.8
Net Weight (kgs)	20
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15°C - 60°C

»» Solar System Connection

