



# 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

**4 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 (Optional)



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:

<b>MODEL NAME</b>	<b>Nova - 8.2KW</b>
<b>MODEL NUMBER</b>	<b>NV-8.2KW</b>
<b>Rated Inverter Power</b>	8200VA/8200W
<b>PARALLEL CAPABILITY</b>	YES, 6 units
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
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
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
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
<b>PHYSICAL</b>	
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
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15°C - 60°C

## »» Solar System Connection

