



NOVA 8.2KW

PURE SINE WAVE SOLAR MPPT BASED INVERTER PV - 12000

PRODUCT KEY FEATURES

- 👑 Built-in dual outputs for smart load & normal load
- 👑 Reserved communication port for BMS
- 👑 Built-in wi-fi for mobile monitoring (android / IOS app is available)
- 👑 Battery independent design
- 👑 Maximum PV input current 40A supports USB on-the-go function
- 👑 Built-in anti-dust kit
- 👑 Compatible to utility mains or generator input
- 👑 Configurable AC/PV output usage timer and prioritization
- 👑 Selectable input voltage range for home appliances and personal computers



Technical Data

MODEL NAME	NOVA-8.2KW
RATED POWER	8200VA/8200W
Parallel Capability	Yes, 6 units
INPUT	
Voltage	230VAC
Selectable voltage range	170 ~ 280VAC (for computers) 90 ~ 280VAC (for home appliances)
Frequency range	50 Hz / 60 Hz (auto sensing)
OUTPUT	
AC voltage regulation (batt. mode)	230VAC ± 5%
Surge power	16000VA
Efficiency (peak)	93%
Transfer time	10 ms (for personal computers) 20 ms (for home appliances)
Waveform	Pure sine wave
BATTERY	
Battery voltage	48VDC
Floating charge voltage	54VDC
Overcharge protection	63VDC
SOLAR CHARGER & AC CHARGER	
Max. PV array power	12000W (6000W*2)
MPPT range @ operating voltage	90 ~ 450VDC
Max. PV array open circuit voltage	500VDC
Max. PV input current	27A * 2 (MAX 40A)
Max. solar charge current	150A
Max. AC charge current	150A
Max. charge current	150A
GENERAL SPECIFICATION	
Dimension, D*W*H (mm)	158.4*503.6*530.8
Net weight (Kgs)	19.7
Communication interface	USB/RS232/RS485/Wi-fi/Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% relative humidity(non-condensing)
Operating temperature	-10°C to 50°C
Storage temperature	-15°C to 60°C