

Solar Inverter

Nova Series IP54

4.2KW / 6.2KW

- Supports operation without battery connection
- Max. PV input voltage up to 500Vdc
- Dual AC output for flexible load distribution
- Optional WiFi module for remote monitoring
- Built-in 120A MPPT solar charger
- IP54-rated design for enhanced protection
- Detachable dust cover, suitable for dusty environments
- Lithium battery activation via PV or utility power
- Compatible with LiFePO4 batteries through RS485 communication
- Selectable output priority modes: UTL / SOL / SBU / SUB
- EQ function helps improve battery performance and prolong service life

MODEL	Nova 4.2KW	Nova 6.2KW
Capacity	4200VA/4200W	6200VA/6200W
Parallel Capability	NO	NO
Lithium Battery Activation	YES	YES
Battery Wake-up Function	YES	YES
AC Input		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
Frequency	50/60 Hz(Auto sensing)	
AC Output		
Nominal Voltage	220/230VAC±5%	
Surge Power	8200VA	12400VA
Frequency	50/60 Hz	
Waveform	Pure Sinewave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency(PV to INV)	96%	
Peak Efficiency(Battery to INV)	93%	
Overload Protection	5s@>=140%load;10s@100%~140%load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1(inductive or capacitive)	
Battery		
Battery Voltage	24Vdc	48Vdc
Floating Charge Voltage	27Vdc	54Vdc
OverCharge Protection	32Vdc	63Vdc
Charging Method	CC/CV	
Solar Charger & AC Charger		
Solar Charger TYPE	MPPT	
Max.PV Array Power	6200W	9000w
Max.PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	60VDC~500VDC	
Max.Solar Input Current	27A	27A
Max.Solar Charge Current	120A	120A
Max.AC Charge Current	120A	120A
Max.Charge Current(AC+PV)	120A	120A
PHYSICAL		
Dimensions D×W×H(mm)	441×334×125.5	441×334x125.5
Package Dimensions D×W×H(mm)	545x405×210	545x405x210
Net Weight (Kgs)	8.5	9
Gross weight(Kgs)	9.5	10
Communcation Interface	RS232+RS485	
ENVIRONMENT		
Operating Temperature Range	-10℃~55℃	
Storage Temperature	-15℃~60℃	
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Enclosure Protection	IP54	

Product specifications are subject to change without notice.