



N1F-A Series Off-grid Inverter

N1F-A6.2P

[PV 60-500Vdc]

6.2KW 220/230VAC±5% Output



Pure sine wave



Power factor 1.0



Capable of working without battery



Enables remote intelligent monitoring by SmartESS APP



Parallel operation up to 12 units in 1phase or 3phase



EQ function to optimize battery performance and extend the lifecycle



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. RS232 communication port
12. Parallel communication port (only for parallel model)
13. RS485 communication port
14. Grounding
15. WiFi module avoidance hole (Only use WiFi module models to remove)
16. RS485 communication line outlet
17. Battery positive outlet hole
18. Battery negative outlet hole



Web

www.amensolaress.com

MODEL	N1F-A6.2P
Capacity	6.2KVA/6.2KW
Parallel Capability	YES,12 Units
INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer); 90-280vac(For Home Appliances)
Frequency	50/60 Hz(Auto sensing)
OUTPUT	
Nominal Voltage	220/230VAC±5%
Surge Power	12400VA
Frequency	50/60Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency	94%
Overload Protection	5s@>= 150%load;10s@110%~ 150%load
Crest Factor	3:1
Admissible Power Factor	0.6~ 1(inductive or capacitive)
BATTERY	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC/CV
Solar Charger &AC Charger	
Solar Charger Type	MPPT
Max.PV Array Power	6500W
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~450VDC
Max.Solar Input Current	27A
Max.Solar Charge Current	120A
Max.AC Charge Current	80A
Max.Charge Current	120A
PHYSICAL	
Dimensions , DxWxH	450x300x130mm
Package Dimensions , DxWxH	540x390x210mm
Net Weight	9.6KG
Communication Interface	RS232/RS485/Dry-contact
ENVIRONMENT	
Operating Temperature Range	- 10℃~55℃
Storage Temperature	- 15℃~60℃
Humidity	5%to 95%Relative Humidity(Non-condensing)