

XN80PA-48

Single Phase Off-Grid Solar Inverter



Efficient Higher revenue

- 200% AC overload (100ms), withstand transient load impact
- Wide voltage range and low startup voltage
- Wide MPPT voltage range to compatible with different types of crystalline silicon modules
- Fast AC bypass charging



Intelligent Simple O&M

- Diverse communications: Support USB/RS232/RS485/WiFi/Dry Contact
- Remote monitoring and operation via PC or mobile phones



Flexible Abundant configuration

- Support 6 units inverters parallel
- Selectable high power charging current
- Compatible to Utility Mains or generator input
- Removable Fan design
- Detachable LCD control module with multiple communications

	XN80PA-48
Rated Power	8kVA / 8kW
Input (AC)	
Rated Input Voltage	230Vac
Selectable Voltage Range	170Vac ~ 280Vac (for personal computers); 90Vac ~ 280Vac (for home appliances)
Rated Frequency	50Hz / 60Hz (auto-sensing)
Output (AC)	
AC Voltage Regulation (Batt. Mode)	230Vac±5%
Surge power	16kVA
Overload Capability	≥ 205%,100ms; ≥ 150%,5s;110%~150%,10s
Efficiency	93%
Transfer Time	10ms (for personal computers); 20ms (for home appliances)
Waveform	Pure Sine Wave
Battery	
Battery Voltage	48Vdc
Floating	54Vdc
Overcharge Protection	66Vdc
Battery reverse polarity protection	Fuse
Solar Charger & AC Charge	
Solar Charger Type	MPPT
Maximum PV Array Power	8kW
MPP Range @ Operating Voltage	90Vdc ~ 450Vdc
Maximum PV Array Open Circuit Voltage	500Vdc
Maximum Charger Current	150A
Protection	
Protection	AC short-circuit protection, AC over-current protection, Output over-voltage protection, Over-temperature protection etc.
Communication	
Display	LCD
Communication	USB / RS232 / RS485 / WiFi / Dry Contact
Standard Compliance	
Safety	CE
General Data	
Dimensions (W x H x D)	432.5 x 553.6 x 147.4 mm
Weight	18.4kg
Operating Temperature	-10° C ~ +50° C
Storage Temperature	-15° C ~ +60° C
Relative Humidity	5%-95% (non-condensing)