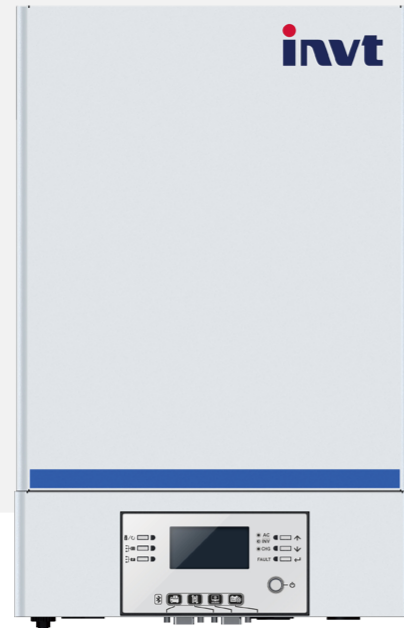


XN50PIII-48

Single Phase Off-Grid Solar Inverter



Efficient Higher revenue

- 200% AC output overload ability (100ms), withstand transient load impact
- Wide voltage range and low startup voltage
- Photovoltaic controller power upgrade to 5kW access
- Wide MPPT voltage range to compatible with different types of crystalline silicon modules
- Fast AC bypass charging



Intelligent Simple O&M

- Support USB/RS232/RS485/Bluetooth
- Smart battery charger design for optimized battery performance
- Remote monitoring and operation via PC or mobile phones



Flexible Abundant configuration

- Support 9 units inverters parallel
- Multiple charging voltage levels for different batteries
- Multiple operating modes: PV priority / grid priority / battery priority...
- Detachable LCD control module with multiple communications
- Support non-linear load

XN50PIII-48	
Rated Power	5 kVA / 5 kW
Input (AC)	
Max. Input Voltage	230 Vac
Selectable Voltage Range	170Vac ~ 280Vac (for personal computers); 90Vac ~ 280Vac (for home appliances)
Frequency Range	50 Hz / 60 Hz (auto sensing)
Output (AC)	
AC Voltage Regulation (Batt. Mode)	230Vac±5%
Surge power	10kVA
Overload Capability	≥ 150%, 5s; 110%~150%, 10s
Efficiency	90%
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 and AC Charge	
Solar Charger Type	MPPT
Maximum PV Array Power	5kW
MPP Range@ Operating Voltage	120Vdc ~ 430Vdc
Maximum PV Array Open Circuit Voltage	450Vdc
Maximum Charger Current	100A
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 / Bluetooth
Standard Compliance	
Safety	CE
General Data	
Dimensions (W x H x D)	295 x 468 x 140 mm
Weight	12kg
Operating Temperature	-10° C ~ +50° C
Storage Temperature	-15° C ~ +60° C
Relative Humidity	5% ~ 95% (non-condensing)



INVT Solar

