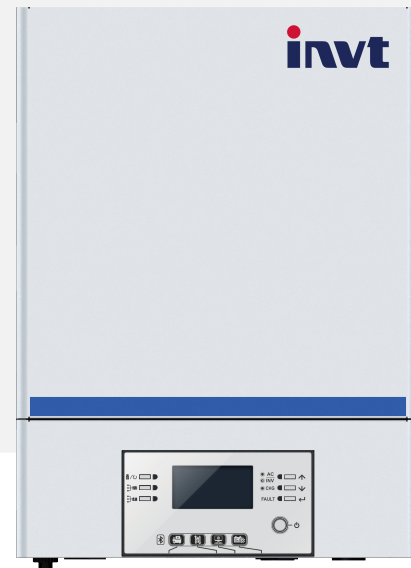


XN3-5kW (XN30IM-24 & XN50IM-48)

Single Phase Off-Grid Solar Inverter



Efficient Higher revenue

- 200% AC overload (100ms), withstand transient load impact.
- Wide voltage range and low startup voltage.
- Photovoltaic controller power upgrade with 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/Dry contact.
- Smart battery charger design, optimize battery performance.
- Remote monitoring and operation via PC or mobile phones



Flexible Abundant configuration

- 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

	XN30IM-24	XN50IM-48
Rated Power	3kVA / 3kW	5kVA / 5kW
Input (AC)		
Max. 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	6kVA	10kVA
Overload Capability	≥ 130%,5s; 105%~130%,10s	
Efficiency	93%	
Transfer Time	10ms (for personal computers); 20ms (for home appliances)	
Waveform	Pure Sine Wave	
Battery		
Battery Voltage	24Vdc	48Vdc
Floating	27Vdc	54Vdc
Overcharge Protection	33Vdc	63Vdc
Battery reverse polarity protection	Fuse	
Solar Charger & AC Charge		
Solar Charger Type	MPPT	
Maximum PV Array Power	4kW	5kW
MPP Range @ Operating Voltage	120Vdc ~ 450Vdc	
Maximum PV Array Open Circuit Voltage	500Vdc	
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 / Dry Contact	
Standard Compliance		
Safety	CE	
General Data		
Dimensions (W x H x D)	300 x 400 x 115 mm	
Weight	9kg	10kg
Operating Temperature	-10° C ~ +50° C	
Storage Temperature	-15° C ~ +60° C	
Relative Humidity	5%-95% (non-condensing)	