

XN 3-5kW

Single Phase Off-grid Inverter



High frequency
isolation



AC bypass charging



Multiple charging
voltage settings



Multiple working
modes



Support non-linear
load



200% AC overload



Support Bluetooth
Connection



Wide input voltage
range



Removable LCD/Fan



	XN301M-24	XN501M-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
Efficiency	90% ~ 93%	
Transfer Time	15ms (for personal computers); 20ms (for home appliances)	
Waveform	Pure Sine Wave	
Capacity to load air conditioner	1KVA / 1kW	1.7KVA / 1.7kW
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 Solar Charger Current	100A	
Maximum AC Charger Current	100A	
Maximum Charger Current	100A	
Protection		
Protection	AC short circuit protection, AC over current protection, Output over voltage protection, Over temperature protection.	
Communication		
Display	LCD	
Communication	USB / RS232 / RS485 / Bluetooth / Dry Contact	
Standard Compliance		
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 55032:2015, EN 61000-3-12:2011, EN 61000-3-11:2000, EN 55024:2010+A1:2015, IEC 61683	
General Data		
Dimensions (W x H x D)	300x400x115 mm	
Weight	9kg	10kg
Operating Temperature	-10° C ~ +50° C	
Storage Temperature	-15° C ~ +60° C	
Cooling Method	Smart Cooling	
Protection Degree	IP21	
Noise	<55dB	
Altitude	<2000m	
Relative Humidity	5%-95% (non-condensing)	