

XN50PIII-48

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



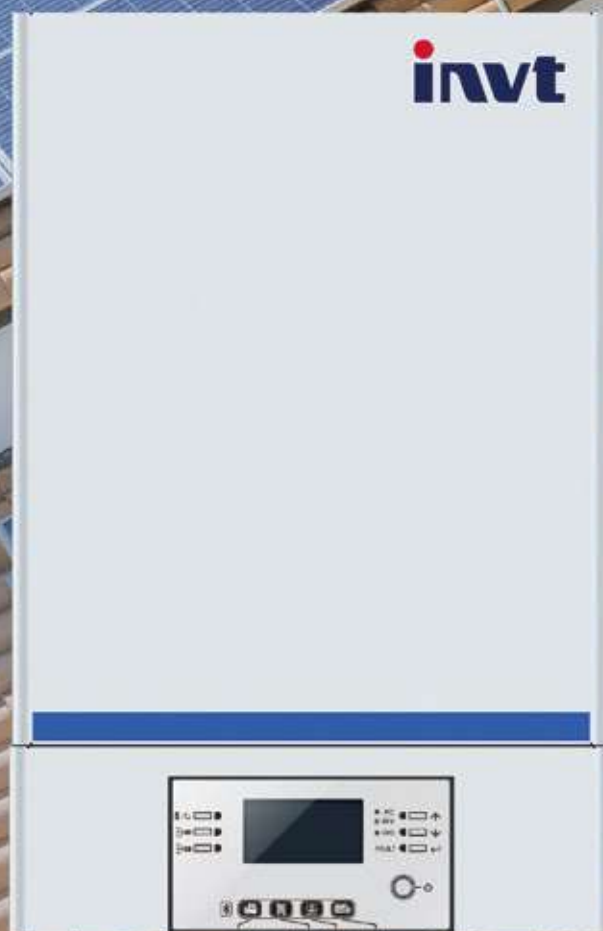
Wide input voltage
range



Removable LCD/Fan



parallel
connection



	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%
Overload Capability	≥ 150s, 5s; 110% ~ 150%, 10s; ≥ 200%, 100ms
Efficiency	90% ~ 93%
Transfer Time	15ms (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	
Number of MPP Trackers / String per MPPT	1/1
Solar Charger Type	MPPT
Maximum PV Array Power	5kW
MPP Range@ Operating Voltage	120Vdc ~ 450Vdc
Maximum PV Array Open Circuit Voltage	450Vdc
Maximum Solar Charger Current	100A
Maximum AC Charger Current	100A
Maximum Charger Current	100A
Number of Parallel	9
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
Standard Compliance	
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-4:2007/A1:2011, IEC 61683
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
Cooling Method	Smart Cooling
Protection Degree	IP21
Noise	<55dB
Altitude	<2000m
Relative Humidity	5% ~ 95% (non-condensing)