

Single Phase Off-grid Inverter XN1.5-8kW



High frequency
Isolation



AC bypass charging



Multiple charging
voltage settings



Multiple working
modes



Support non-linear
load



200% AC overload



Support Bluetooth
Connection



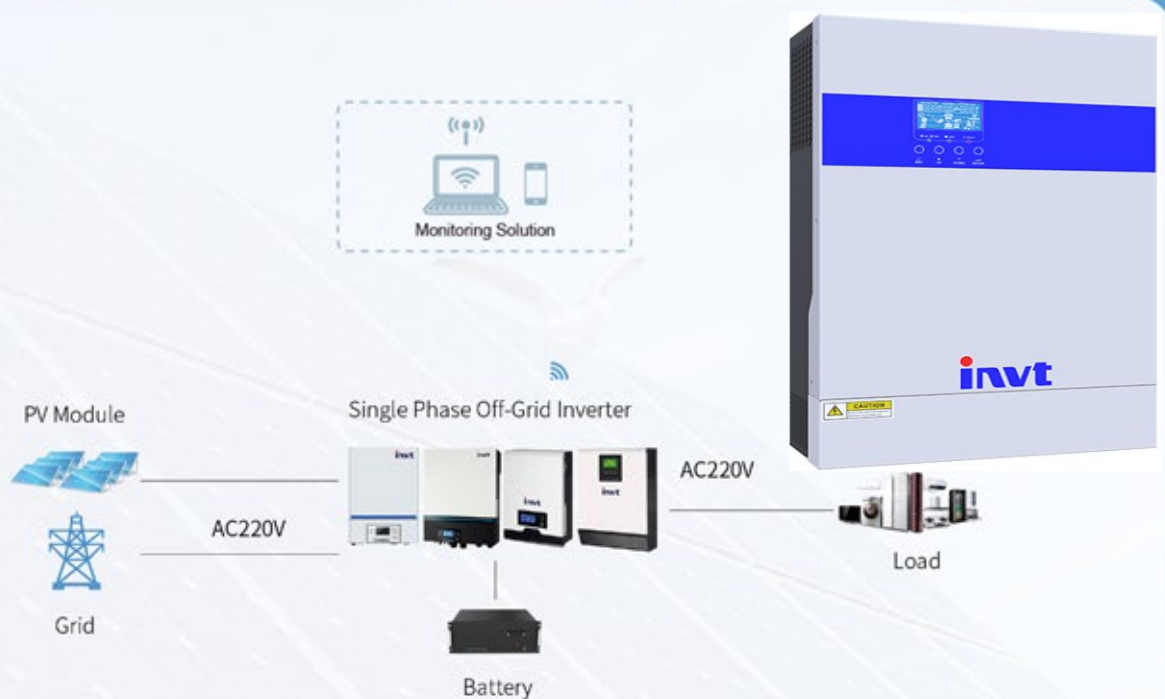
Wide Input voltage
range



Removable LCD/Fan



parallel
connection



	XN20IV-24
Rated Power	2kVA / 2kW
Input	
Voltage	230Vac
Selectable Voltage Range	170Vac~280Vac (for personal computers); 90Vac~280Vac (for home appliances)
Frequency Range	50Hz / 60Hz (auto sensing)
Output	
AC Voltage Regulation (Batt. Mode)	230Vac±5%
Surge Power	4kVA
Efficiency (Peak)	93%
Transfer Time	10ms (for personal computers); 20ms (for home appliances)
Waveform	Pure Sine Wave
Battery	
Battery Nominal Voltage	24Vdc
Floating Charge Voltage	27Vdc
Overcharge Protection	31Vdc
Solar Charger & AC Charge	
Solar Charger Type	MPPT
Maximum PV Array Power	1kW
MPPT Range	30 ~ 80Vdc
Maximum PV Array Open Circuit Voltage	102Vdc
Maximum Solar Charge Current	40A
Maximum AC Charge Current	20A
Maximum Total Charge Current	60A
Protection	
Protection	AC Short Circuit Protection, AC Over Current Protection, Over Temperature Protection, etc.
Communication	
Display	LCD
Communication Port	RS232 / USB
Standard Compliance	
Safety/ EMC	EN 55032:2015+A11:2020 Class A, EN 61000-3-12:2011, EN 61000-3-11:2000, EN 55024:2010+A1:2015, EN 61000-4-2:2009, EN 61000-4-3:2006+A1:2008+A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2014, EN 61000-4-6:2014, EN 61000-4-8:2010, EN 61000-4-34:2005+A1:2009, EN62109-1: 2010, EN62109-2:2011, EN IEC 61000-6-2:2019, EN 61000-6-4:2007+A1: 2011, EN IEC 61000-3-11:2019, EN 61000-3-12: 2011
General Data	
Dimension (W x H x D)	225 x 320 x 88 mm
Net Weight	5kg
Operating Temperature	-10° C ~ +50° C
Storage Temperature	-15° C ~ +60° C
Cooling	Smart Cooling
Ingress Protection	IP21
Noise	<60dB
Altitude	0~2000m
Humidity	5%-95% (non-condensing)

	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)	



INVT Solar



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	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 $\pm$ 5%
Surge power	16kVA
Overload Capability	$\geq$ 205%,100ms; $\geq$ 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/ with parallel connection function
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)