OFFGRID SOLAR INVERTER

X Series

ENJOY THE SOLAR POWERED GREEN LIFE WITH NAVASOLAR OFFGRID INVERTER

- Pure sine wave solar inverter
- Output power factor up to 1.0
- Compatible to AC mains or generator inputs
- Considerable PV input types
- Build-in smart solar charger (PWM/MPPT)
- Battery independent design(5kW)
- Auto restart while AC is recovering
- Configurable AC/Solar input priority via LCD setting
- Selectable input voltage range for home appliances and personal computer loads

navasolar

Specification

MODEL		NV-X3024	NV-X5048
Nominal Battery System Voltage		24VDC	48VDC
Parallel Capability		No	Yes, up to 9 units
Operation Without Battery		No	Yes
INVERTER OUTPUT	Rated Power	3000W	5000W
	Surge Power	6000W	10000W
	Wave form	Pure Sine Wave	
	AC Voltage Regulation(Batt.Mode)	(220VAC~240VAC) ±5%	
	Inverter Efficiency(Peak)	93.5%	94%
	Transfer Time	10ms(typical)	
AC INPUT	Voltage	208/220/230/240VAC	
	Selectable Voltage Range	170~280Vac(for personal Computer) 90~280Vac (for home appliances)	
	Frequency Range	50Hz/60Hz(Auto sensing)	
BATTERY	Normal Voltage	24VDC	48VDC
	Floating Charge Voltage	27.4VDC	54.8VDC
	Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC	450VDC
	PV Array Voltage Range	MPPT 30~115VDC	MPPT 120~430VDC
	Standby Power Consumption	2W	
	Maximum PV Input Power	1500W	5500W
	Maximum Solar Charge Current	60A	80A
	Maximum Efficiency	98%	
	Maximum AC Charge Current	60A	80A
	Maximum Charge Current	120A	80A
COMMUNICATION		USB/RS232/RS485(optional)	
MECHANICAL SPECIFICATIONS	Machine Dimensions(H*W*D)(mm)	470*310*120	
	Package Dimensions(H*W*D)(mm)	575*400*200	
	Net Weight(kg)	8.2	8.45
	Gross Weight(kg)	9.55	9.8
CERTIFICATION	CE	EMC: EN IEC 61000-6-3:2021 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021/EN IEC 61000-6-1:2019	LVD: EN 62109-1:2010 EN 62109-2:2011
OTHER	Humidity	5% to 95% Related Humidity (Non-condensing)	
	Operating Temperature	0℃~40℃	
	Storage Temperature	-15℃~60℃	

Product specifications are subject to change without further notice