

OFFGRID SOLAR INVERTER

M Series

ENJOY THE SOLAR
POWERED GREEN LIFE
WITH NAVASOLAR
OFFGRID INVERTER



- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 450V
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring



Specification

MODEL		NV-MV3024VPM	NV-MV5248PRO
Nominal Battery System Voltage		24VDC	48VDC
Parallel Capability		No	Yes, up to 3 units
Operation Without Battery		No	Yes
INVERTER OUTPUT	Rated Power	3000W	5200W
	Surge Power	6000W	10400W
	Wave form	Pure Sine Wave	
	AC Voltage Regulation(Batt.Mode)	(230VAC) ±5%	
	Inverter Efficiency(Peak)	93%	93%
	Transfer Time	10ms(typical)	
AC INPUT	Voltage	230VAC ±5%	
	Selectable Voltage Range	170~280VAC(for Personal Computer) 90~280VAC(for Home Appliance) 184~253VAC(VED4105)	
	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 30~120VDC	MPPT 150~430VDC
	Standby Power Consumption	2W	
	Maximum PV Input Power	1500W	5000W
	Maximum Solar Charge Current	60A	80A
	Maximum Efficiency	98%	
	Maximum AC Charge Current	30A	60A
Maximum Charge Current	80A		
COMMUNICATION	USB/RS232/RS485(optional)		
MECHANICAL SPECIFICATIONS	Machine Dimensions(H*W*D)(mm)	355*272*100	528*295*121
	Package Dimensions(H*W*D)(mm)	390*425*215	628*425*251
	Net Weight(kg)	7.4	14
	Gross Weight(kg)	9.5	15
OTHER	Humidity	5% to 95% Related Humidity (Non-condensing)	
	Operating Temperature	0°C~50°C	
	Storage Temperature	-15°C~60°C	

Product specifications are subject to change without further notice