

# SINEWAVE INVERTER



## Features

- Optional solar controller with PWM
- Adaptable parameters according to user needs
- Pure sine wave output, adaptable to different loads
- Small no-load loss, half less than the same power high-frequency machine



MADE IN INDIA

## TECHNICAL SPECIFICATIONS

MODEL	900VA/12V	1100VA/12V	1250VA/12V
Input	220VAC(Standard) /110VAC (Optional)		
Input Voltage Range	220V : 154-264VAC±3V (Normal) 185-264VAC±3V (UPS mode) / 110V : 77-132VAC±3V (Normal) 92-132VAC±3V (UPS mode)		
Input frequency	50/60Hz±5%		
Rated output	640W	800W	1000W
Output voltage (mains)	The output voltage under mains is the same as the input voltage		
Output frequency (mains)	The output frequency under mains is the same as the input frequency		
Output voltage (Inverter)	220VAC±10% (110VAC±10%)		
Output frequency (Inverter)	50HZ or 60HZ±1%		
Output Wave (Inverter)	Pure Sine Wave		
Battery Type	External lead-acid battery or SMF battery or lithium battery		
Battery Voltage	12VDC	12VDC	12VDC
Battery charging voltage	13.7VDC / 27.4VDC / 54.8VDC		
Maximum photovoltaic array power	/	/	12V: 400W
PV input voltage range (PWM)	/	/	12V: PWM 15V-50VDC
Maximum Open-circuit voltage of photovoltaic display	/	/	12V: PWM 50VDC
Optimum Vmp operating range	/	/	12V: PWM 15-20VDC
Maximum solar charging current	30A	30A	30A
Maximum AC charging current	16A	19A	24A
Transfer Time	≤10ms (UPS Mode) / ≤20ms (INV Mode)		
Peak load ratio	(MAX) 3:1		
Standby power consumption Pc (W)	Toroidal transformer- 12V machine : 8W 24V machine : 16W 48V machine : 32W		
Protection	Mains : Input overcurrent protection without fuse switch/input overcurrent air switch protection Inverter: overload protection, short circuit protection, high and low voltage protection, battery reverse protection (fuse)		
Status display	LCD & LED Indicators	Through the page key can view, AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters. LED display mains/inverter working status, charging status, fault status	
Voice	Beeps according to the fault code is different, the alarm sound is different, with long and short sounds to distinguish		
Operating temperature	-10°C~50°C		
Store temperature	-15°C~45°C		
Relative temperature	-10°C~90°C non-condensing		
Noise	<45dB		
Machine Size (L*W*H)mm	325*263*123MM		
Package Size (L*W*H)mm	405*330*190MM( Dimensions Pending)		
Spare Parts	1 manual, 1 safety tube		

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## TECHNICAL SPECIFICATIONS

MODEL	2000VA/24V	3500VA/24V	5500VA/48V
Input	220VAC(Standard) / 110VAC (Optional)		
Input Voltage Range	220V : 154-264VAC±3V (Normal) 185-264VAC±3V (UPS mode) / 110V : 77-132VAC±3V (Normal) 92-132VAC±3V (UPS mode)		
Input frequency	50/60Hz±5%		
Rated output	1600W	2400W	4000W
Output voltage (mains)	The output voltage under mains is the same as the input voltage		
Output frequency (mains)	The output frequency under mains is the same as the input frequency		
Output voltage (Inverter)	220VAC±10% (110VAC±10%)		
Output frequency (Inverter)	50HZ or 60HZ±1%		
Output Wave (Inverter)	Pure Sine Wave		
Battery Type	External lead-acid battery or SMF battery or lithium battery		
Battery Voltage	24VDC	24VDC	48VDC
Battery charging voltage	13.7VDC / 27.4VDC / 54.8VDC		
Maximum photovoltaic array power	12V: 1600W	12V: 1600W	/
PV input voltage range (PWM)	24V: PWM 30V-105VDC	24V: PWM 30V-105VDC	/
Maximum Open-circuit voltage of photovoltaic display	24V: PWM 105VDC	24V: PWM 105VDC	/
Optimum Vmp operating range	24V: PWM 30-40VDC	24V: PWM 30-40VDC	/
Maximum solar charging current	60A	60A	60A
Maximum AC charging current	19A	29A	24A
Transfer Time	≤10ms (UPS Mode) / ≤20ms (INV Mode)		
Peak load ratio	(MAX) 3:1		
Standby power consumption Pc (W)	Toroidal transformer- 12V machine : 8W 24V machine : 16W 48V machine : 32W		
Protection	Mains : Input overcurrent protection without fuse switch/input overcurrent air switch protection Inverter: overload protection, short circuit protection, high and low voltage protection, battery reverse protection (fuse)		
Status display	LCD & LED Indicators	Through the page key can view, AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters. LED display mains/inverter working status, charging status, fault status	
Voice	Beeps according to the fault code is different, the alarm sound is different, with long and short sounds to distinguish		
Operating temperature	-10°C~50°C		
Store temperature	-15°C~45°C		
Relative temperature	-10°C~90°C non-condensing		
Noise	<45dB		
Machine Size (L*W*H)mm	315.5*315*271MM		
Package Size (L*W*H)mm	395*390*370MM( Dimensions Pending)		
Spare Parts	1 manual, 1 safety tube		