



**Product Description :**

JYINS modified sine wave inverters is one of the most popular power inverter series since the beginning. We produce the power range from 200W to 5000W recently. JYINS 1KW inverter It convert 12V/24V/48VDC to 100-120V/220-240VAC. you can power for your electric appliances which rated power less 1000W continuously. The optional USB output port offer one more choice for user. It can charge for some digital equipments as you want.

**Product Features:**

- It designed to give you quality power, ease of use, and reliability
- Low battery alarm : alerts you if the battery has become discharged to 11Volts or lower.
- Low battery voltage shutdown : shuts the inverter down automatically if the battery voltage drops below 10.5volts. it protects the battery from being completely discharged.
- High battery voltage shutdown : shuts the inverter down automatically if the input voltage rises to 15volts or more.
- Overload shutdown: shuts the inverter down automatically if a short circuit is detected in the circuitry connected to the inverter's output, or if the loads connected to the inverter exceed the inverter's operating limits
- Over temperature shutdown : shuts the inverter down automatically if its internal temperature rises above an unacceptable level.
- The modified sine wave output waveform suitable for many electronic loads.

**Protection Function :**

- Low voltage alarm & Shutdown
- Over voltage protection
- Overload protection
- Over temperature protection
- Short circuit protection
- Reverse Polarity protection
- Soft start
- Auto reset after being in protected
- Earth leakage protection

**Product parameters**

Model	JYM-1K-1	JYM-1K-1	JYM-1K-1	JYM-1K-2	JYM-1K-2	JYM-1K-2
Rated power	1000W					
Peak power	2000W					
Input voltage	DC12V	DC24V	DC48V	DC12V	DC24V	DC48V
Output voltage	100VAC or 110VAC or 120VAC±5%			220VAC or 230VAC or 240VAC±5%		
Unload current, less than	0.8A	0.5A	0.2A	0.8A	0.5A	0.2A
Output frequency	50Hz±0.5Hz or 60Hz±0.5Hz					
Output waveform	Modified Sine Wave					
USB port	5V 1A					
Max efficiency	90%					
Input voltage range	10-15.5V	20-31V	40-61V	10-15.5V	20-31V	40-61V
Low voltage alarm	10.5±0.5V	21±0.5V	42±1V	10.5±0.5V	21±0.5V	42±1V
Low voltage protection	10±0.5V	20±0.5V	40±15V	10±0.5V	20±0.5V	40±15V
Over voltage protection	15.5±0.5V	31±0.5V	61±1V	15.5±0.5V	31±0.5V	61±1V
Low voltage recover	12.3±0.5V	24±0.5V	48±1V	12.3±0.5V	24±0.5V	48±1V
Over voltage recover	14.8V±0.5V	29.5V±0.5V	59V±1V	14.8V±0.5V	29.5V±0.5V	59V±1V
Protection function	Low voltage	Alarm at first, voltage continuously reduce. LED Red light on & shut down.				
	Over voltage	LED Red light on, shut down				
	Over load	LED Red light on, shut down				
	Over temperature	Alarm at first, temperature continuously rise. LED Red light on & shut down.				
	Short circuit	LED Red light on				
	Input reverse polarity	Fuse burn-out				
Working temperature	-10° - +50°					
Storage temperature	-30° - +70°					
Dimension(mm)	264x180x78mm					
Packing(mm)	320x240x105mm					
Net.gross weight(g)	2300/2850g					
QTY/Ctn	12Pcs					
Meas./Ctn(mm)	630x535x335mm					
Gross weight/Ctn(g)	34200g					
Warranty	1 years					
Configuration	Standard					
Cooling method	Intelligent air cooling					

