

FEATURES

- Pure sine wave output
- Optional MPPT/PWM solar charge controller 60A
- MPPT Efficiency max 98%
- DC Start & Automatic Self-Diagnostic Function
- High-Efficiency Design & "Power Saving Mode" to Conserve Energy
- Auto-restart when Ac is recovering
- Smart battery charger design for optimized battery performance
- Selectable charging current based on applications
- AC input/DC input/Solar input optional priority
- Auto Restart Voltage



TECHNICAL SPECIFICATION

Model	5000VA
Input Voltage(DC)	24V/48V
Nominal Voltage	220VAC (Standard)
Voltage Range	154-264VAC±3 (Normal Mode); 185-264VAC±3V(UPS Model); 175-285VAC±3V(AVR Model);
Frequency	50/60Hz±5%
Power Factor	0.8
Rated Power	4000W
Output Voltage(AC)	The output voltage under AC is the same as the input voltage 220VAC±10% (With AVR function)
Output Frequency (AC)	The output voltage frequency under AC is the same as the input frequency
Output Voltage(DC)	220VAC±3%
Output Frequency (DC)	50/60Hz±1%
Waveform	Pure Sine Wave
Battery Type	External lead acid battery or water battery
Battery voltage	24/48VDC
Battery Charging Voltage	27/54VDC
Maximum pv array power	12V: 800W / 24V: 1600W/48V: 3200W
PV Input Voltage Range (PWM Controller)	12V: MPPT 15V-150VDC / PWM 15V-30VDC 24V: MPPT 30V-150VDC / PWM 30V-60VDC 48V: MPPT 60V-150VDC / PWM 60V-105VDC
Maximum photovoltaic display open circuit voltage	12V: MPPT 150VDC / PWM 30VDC 24V: MPPT 150VDC / PWM 60VDC 48V: MPPT 150VDC / PWM 105VDC
Maximum solar charging current	60A
Maximum AC charging current	42A/21A
Battery charging voltage range	154-280VAC
Transfer Time	≤10ms(UPS mode)≤20ms(INV mode)
Load peak ratio	(MAX)3:1
Static Power	20W
Protections	Under Utility: input overcurrent protector Under inverter: overload protection, short circuit protection, low voltage protection (reverse battery connection is strictly prohibited).
LCD indicator status	You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current, etc. through the page key.
Audible alarm	Low battery protection buzzer keeps beeping Low battery buzzer beeps every second Overload buzzer keeps beeping Overload less than 130%-1 second beeping and shutdown the output after 30 seconds; Overload more than 150%.shutdown the output after 300ms Machine fault buzzer keeps beeping
Operating temperature	0-40℃
Storage temperature	-15℃~45℃
Relative temperature	-10℃~90℃ Non condensing
Acoustic Noise(dB)	<45dB
Dimension (L*W*H)mm	470*335*210MM
Weight (kg)	21