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## 3000 Watt Off Grid Pure Sine Wave Inverter



- Complete isolation-type inverter technology, noiseless output.
- Adoption of advanced SPWM technology, pure sine wave output.
- Dynamic current loop control technology to ensure inverter reliable operation.
- Wide DC input voltage range.
- Excellent EMC design.
- Low output harmonic distortion ( $THD \leq 3\%$ ).
- LED indicators for input voltage range, load power range, normal output & failure state.
- Extensive protection: reverse polarity, short-circuit, overload, under/over input voltage, over temperature, and inverter's inner fault identification protections.
- Wide working temperature range

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DC input	Input rated voltage	256VDC
	Input rated current	87A
	Input DC voltage allowing range	210-326VDC
AC Bypass	Allow input voltage range	120VAC± 15% VAC
	Input rated current	62.5A
	Bypass transfer time	≤40 ms
AC output	Output rated power	7.5KW
	Output rated voltage and frequency	120 VAC, 50Hz / 60Hz
	Output rated current	62.5A
	Output voltage accuracy	120 VAC± 2%
	Output frequency accuracy	50Hz / 60Hz ± 0.05%
	Wave	Pure sine wave (Isolation transformer)
	THD.	≤3%(Linear load)
	Power factor (PF)	1
	Overload capacity	120%,3 minutes,150%,10 second
	Crest factor (CF)	3:1
Inverter efficiency	> 90%	
Working Environment	Dielectric strength	1500VAC,1minute
	Noise (1m)	≤50dB
	Ambient temperature	-10°C~+50°C
	Humidity	0~90%, No condensation
	Altitude	< 3000m ( ) Higher than 3000m rated power should be reduced
Production function	Input reverse protection, input under-voltage protection, output overload protection, output short circuit protection, thermal protection	