



3000W Pure Sine Wave Inverter with Charger 12V/24V/48V Series



Technical Specification

Model	GO-3KW-DC12V	GO-3KW-DC24V	GO-3KW-DC48V
Continuous output power (W)	3000W		
Rated input voltage	12VDC	24VDC	48VDC
Input voltage waveform	Sine wave (mains or generator)		
Rated input voltage	100V/110V/120V/220V/230V/240Vac		
Low voltage shutdown point	92/184Vac±4%		
Low pressure recovery point	97/194Vac ±4%		
High voltage shutdown point	127/253Vac±4%		
High pressure recovery point	121/243Vac±4%		
Maximum AC input voltage	135/270V rms		
Rated input frequency	50Hz/ 60Hz (automatic detection)		
Low voltage recovery point frequency	40.5+0.3Hz		
Low voltage cut-off point frequency	40+0.3Hz		
High voltage recovery point frequency	69.5+0.3Hz		
High voltage cut-off point frequency	70+0.3Hz		
Output voltage waveform	Consistent with the input voltage waveform		
Overload protection	Circuit breaker start		
Short circuit protection	Circuit breaker start		
Power efficiency	>95%		
Conversion current	30A		
Conversion time (AC to DC)	10ms		
Bypass switching current	Yes		
Bypass maximum load current	30A		
Output voltage waveform	Sine wave		
Power factor	0~1.0		
Rated output voltage (V)	120/230Vac		
Rated output frequency (Hz)	60/50Hz ± 0.3Hz		
Automatic tracking main frequency (Hz)	Yes (from the first connection)		
Output voltage range	±2% rms		
Efficient	>88%	>80%	
Overload protection (SMPS load)	(110%<load<125%) ±10%: disconnect the output voltage after 15 minutes (125%<load <150%) ±10%: disconnect the output voltage after 10 seconds Load >150% ±10%: Disconnect the output voltage after 20 seconds		

Peak capacity(10s)	9000VA		
Start the motor	3HP		
Short circuit protection	Current limit (power off after 10s)		
Circuit breaker size	20A		
Rated DC input voltage	12V	24V	48V
Minimum DC terminal voltage	10V	20V	40V
Undervoltage warning	10.5Vdc \pm 0.3Vdc (12V power supply)		
DC input voltage is too low, automatic power off	10.0Vdc \pm 0.3Vdc (12V power supply)		
Input overvoltage warning and power failure	16Vdc \pm 0.3Vdc (12V power supply)		
Input overvoltage recovery	15.5Vdc \pm 0.3Vdc (12V power supply)		
Power saving	load \leq 2W		
Dimensions (L*W*H)	465*200*180 mm (18.3*7.9*7.1 inch)	420*185*180 mm (16.5*7.3*7.1 inch)	
Weight Approx.	19.5kg (43lbs)	21kg(46lbs)	
Warranty	2 years		

* Under specific test conditions.