

SUNSINE POWER INVERTER



Powerful. Configurable. Versatile...

Available in:

600W

1000W

2000W

3000W

4000W



The SunSine series pure sine wave power inverter adopts many superior features and is designed based on the highest standards in the industry. The advanced high frequency infrastructure with pure sine wave output is perfectly designed for diverse applications including home, office, and heavy-duty industrial power environments. The power inverter can operate independently. However, the unique optional N+X parallel redundancy structure design can maximize the expansibility of integrating additional units to the power inverter system in the future. Pure sine wave power inverter promises to provide the extraordinary performance in term of reliability and flexibility all environments from home to heavy-duty industrial.

Product Features

- Adopts new pure sine wave power inverter topology.
- High power density with superior reliability and performance.
- Surge rating: 2* power rating
- Input/output isolated design
- Design for harsh environment and various equipments
- All master dynamic mechanism eliminate single point failure to optimize reliability
- Pure sine wave output (THD<3%) for wide range of applications and harsh environment
- Output frequency: 50/60Hz switch selectable
- Low power "power saving mode" to conserve energy
- Capable of driving highly reactive & capacitive loads at start moment
- LED indicators display
- Advanced DSP control
- Fan control

Protection Features:

- Input low voltage
- Overload
- Short Circuit
- Low battery alarm
- Input over voltage
- Over temperature
- High output voltage
- Low output voltage
- Unit internal failure
- Unit parallel failure

SUNSINE

POWER INVERTER

Inverter Output	Model	Sunsine	Sunsine	Sunsine	Sunsine	Sunsine
		600W	1000W	2000W	3000W	4000W
	Continuous output power	600W	1000W	2000W	3000W	4000W
	Surge rating	1200W	2000W	4000W	6000W	8000W
	Output waveform	Pure sine wave				
	Nominal efficiency	>90%				
	Power factor	0.9-1.0				
	Nominal output voltage (rms)	110-115-120Vac / 220-230-240Vac				
	Output voltage regulation	±5% RMS				
	Output frequency	50Hz/60Hz ± 0.1%				
	Output current @110/115/120Vac	5.45A/5.22A/5A	9.09A/8.7A/8.33A	18.18A/17.39A/16.67A	NA	NA
	Output current @220/230/240Vac	2.73A/2.61A/2.50A	4.55A/4.35A/4.17A	9.10A/8.70A/8.34A	13.65A/13.05A/12.51A	18.18A/17.39A/16.67A
	Typical transfer time	10ms (max)				
	No load current draw	<12W	<12W	<36W	<36W	<40W
	Stand-by current draw	<6W	<6W	<6W	<6W	<9W
Crest factor	3:1					
THD	< 3%					
DC input	Nominal input voltage	12Vdc/24Vdc/48Vdc (*2 for 24vdc, *4 for 48vdc)				
	Operating range	10Vdc~15.1Vdc				
	Startup voltage	11.75Vdc~14.7Vdc				
	Low battery trip	10.0Vdc / 10.5Vdc				
	Battery low alarm	11.0~11.3Vdc (based on load percentage)				
	Battery high alarm	13.8~14.1Vdc (based on load percentage)				
	Battery under shut down	10.0~10.3Vdc (based on load percentage)				
	Battery over shut down	14.8~15.1Vdc (based on load percentage)				
	Battery under recovery	12.5Vdc				
	Battery over recovery	14.0Vdc				
Protection	Protection	Overload, short circuits, reverse polarity, over/under input voltage, over temperature, high output voltage, low output voltage, unit internal failure, unit in-parallel failure				
Environmental	Noise	<50dB				
	Operating temperature	Operation temperature: -20°C to +70°C; -5°C to +40°C with full performance				
	Storage temperature	-30 ~70°C				
	Operating humidity	90% RH (no condense)				
	Operating attitude	1500m				
	Safety	EN60950, UL-458, CE				
	EMC	FCC part 15 class B, EN55022 class B, e-mark				
Mechanical specification	Mounting	Wall mount				
	Inverter dimensions (L*W*H)	270*160*70mm	355*190*95mm	411*285*107mm	411*285*122mm	411*285*122mm
	Inverter weight	2.5kg	4.0kg	8.0kg	8.5kg	8.8kg
	Shipping dimensions (L*W*H)	300*200*100mm	400*210*120mm	450*300*120mm	450*315*150mm	
	Shipping weight	3.5kg	5kg	9kg	10kg	10kg
	Display	Status LEDs				
	Audible alarm	Buzzer				
	Communication interface	RS232				
Standard warranty	2 year					