

SUNRISE

POWER INVERTER



Powerful. Versatile...

Available in:



Sunrise Series High Frequency Pure Sine Wave Inverter

Sunrise series high frequency pure sine wave inverter is a pure sine wave inverter which can convert 12Vdc/24Vdc/48Vdc to 220/230Vac based on full digital and intelligent design. It features high reliability, high efficiency, concise outline, small volume, easy installation and operation. The inverter can be applied in many fields, such as household appliances, electric tools and industrial devices etc, especially for solar power system and RV, truck and vehicles.

Key Features

- Input and output fully isolation
- Adoption of advanced SPWM technology, pure sine wave output
- Dynamic current loop control technology to ensure inverter reliable operation
- Wide DC input voltage range
- The output voltage and frequency can be switched
- Low output harmonic distortion (THD<3%)
- LED indicators for input voltage range, load power range, normal output and failure state
- Optional energy saving mode
- Wide working temperature range (industrial level)
- Continuous operation at full power
- Protection: Output short circuit, overload, input low voltage, input over voltage, inverter abnormal and over heating

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Model	Sunrise-0412E	Sunrise-0424E	Sunrise-0612E	Sunrise-0624E	Sunrise-1024E
		400W	400W	600W	600W
Nominal system voltage	12Vdc	24Vdc	12Vdc	24Vdc	24Vdc
Continuous output power	400W	400W	600W	600W	1000W
Input voltage range	10.8Vdc~16Vdc	21.6Vdc~32Vdc	10.8Vdc~16Vdc	21.6Vdc~32Vdc	21.6Vdc~32Vdc
Power 10 sec	600W	600W	900W	900W	1500W
Power 1.5 sec	800W	800W	1200W	1200W	2000W
Surge power	900W	900W	1350W	1350W	2250W
Output waveform	Pure sine wave				
Nominal efficiency	>90%				
Output voltage regulation	±5% RMS				
Output requency	50Hz/60Hz ± 0.2%				
Efficiency at rated power	>91%	>92%	>91%	>92%	>93%
Max. efficiency	>92%	>93%	>93%	>94%	>94%
Inverter dimensions (L*W*H)	280*166*75mm	280*166*75mm	295*186*82mm	295*186*82mm	295*208*98mm
Inverter weight	1.8kg	1.8kg	2.3kg	2.3kg	3.3kg
Enclosure	IP30				
Working environment temperature	-20~+50°C				
Humidity range	<95% (N.C)				
Standard warranty	2 year				

Model	Sunrise-1048E	Sunrise-2024E	Sunrise-2048E	Sunrise-3024E	Sunrise-3048E
		1000W	2000W	2000W	3000W
Nominal system voltage	48Vdc	24Vdc	48Vdc	24Vdc	48Vdc
Continuous output power	1000W	2000W	2000W	3000W	3000W
Input voltage range	43.2Vdc~64Vdc	21.6Vdc~32Vdc	43.2Vdc~64Vdc	21.6Vdc~32Vdc	43.2Vdc~64Vdc
Power 10 sec	1500W	3000W	3000W	4500W	4500W
Power 1.5 sec	2000W	4000W	4000W	6000W	6000W
Surge power	2250W	4600W	4600W	6900W	6900W
Output waveform	Pure sine wave				
Nominal efficiency	>90%				
Output voltage regulation	±5% RMS				
Output requency	50Hz/60Hz ± 0.2%				
Efficiency at rated power	>93.5%	>93%	>94%	>93%	>94%
Max. efficiency	>94%	>95%	>95%	>95%	>95%
Inverter dimensions (L*W*H)	295*208*98mm	436*249*116mm	436*249*116mm	507*249*116mm	507*249*116mm
Inverter weight	3.3kg	6.0kg	6.0kg	7.5kg	7.5kg
Enclosure					
Working environment temperature	-20~+50°C				
Humidity range	<95% (N.C)				
Standard warranty	2 year				