PURE SINE WAVE INVERTER SHI Series 400W - 3000W

SHI series is a pure sine wave inverter which can convert 12/24/48Vdc to 220/230Vac 50/60Hz 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 photovoltaic power system.



Features:

- Input & 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 & failure state
- Optional energy saving mode
- Wide working temperature range (industrial level)
- Continuous operation at full power

Electronic protections:

- Output short circuit protection
- Overload protection
- Input low voltage protection

- Input over voltage protection
- Overheating protection
- Inverter abnormal protection

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TECHNICAL SPECIFICATION

MODEL	SHI400-12	SHI400-22	SHI600-12	SHI600-22	SHI1000-22	SHI1000-42	SH12000-22	SH12000-42	SHI3000-22	SHI3000-42
NOMINAL BATTERY VOLTAGE	12V	24V	12V	24V	24V	48V	24V	48V	24V	48V
INPU VOLTAGE RANGE	10.8~16Vdc	21.6~32Vdc	10.8~16Vdc	21.6~32Vdc	21.6~32Vdc	43.2~64Vdc	21.6 ~32Vdc	43.2 ~64Vdc	21.6 ~32Vdc	43.2 ~64Vdc
NO LOAD CURRENT	≤0.8A	≤0.45A	≤0.7A	≤0.45A	≤0.45A	≤0.35A	≤0.7A	≤0.7A	≤1.2A	≤1.0A
OUTPUT WAVE	Pure Sine Wave						Pure Sine Wave			
OUTPUT VOLTAGE	220Vac ±3% / 230Vac ±10%						220Vac± 3% / 230Vac± 10%			
CONTINUOUS POWER	400W		600W		1000W		2000W		3000W	
POWER 10 SEC	600W		900W		1500W		3000W		4500W	
POWER 1.5 SEC	800W		1200W		2000W		4000W		6000W	
SURGE POWER	900W		1350W		2250W		4600W		6900W	
FREQUENCY	50/60Hz ±0.2%					50/60Hz±0.2%				
DISTORTION THD	≤ 3% (resistive load)						≤ 3% (resistive load)			
EFFICIENCY AT RATED POWER	≥91%	≥92%	≥91%	≥92%	≥93%	≥93.5%	≥93%	≥94%	≥93%	≥94%
MAX. EFFICIENCY	≥92%	≥93%	≥93%	≥94%	≥94%	≥94%	≥95%	≥95%	≥95%	≥95%
TERMINAL	16mm²		25mm²		25mm²		50mm ²		50mm ²	
DIMENSIONS	280x 166x 74.3mm		295x 186x 82mm		295x 208x 98mm		436x 249x 116mm		507x 249x 116mm	
INSTALLATION	150x 158mm		150x 178mm		150x 200mm		236x 220mm		236x 270mm	
HOLE SIZE	Ф5mm		Ф6тт		Ф6тт		Ф6mm		Ф6тт	
NET WEIGHT	1.8kg		2.3kg		3.3kg		6.0kg		7.5kg	
WORKING TEMPERATURE	-20°C~+50°C						-20°C~+50°C			
STORAGE TEMPERATURE	-35°C~+70°C						-35°C~+70°C			
HUMIDITY	< 95% (N.C.)						< 95% (N.C.)			
ALTITUDE	< 5000m (Derating to operate according to IEC62040 at a hight exceeding 1000m)						<5000m(Derating to operate according to IEC62040 at a height exceeding 1000m			

Output socket (option):





European



Australia/New Zealand