

# SHI Series

(Off-grid Pure sine wave inverter)



## 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 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



## MECHANICAL CHARACTERISTICS

MODEL	SHI400-12	SHI400-24	SHI600-12	SHI600-24	SHI1000-24	SHI1000-48	SHI2000-24	SHI2000-48	SHI3000-24	SHI3000-48
Nominal system voltage	12V	24V	12V	24V	24V	48V	24V	48V	24V	48V
Input voltage range	10.8~16Vdc	21.6~32Vdc	10.8~16Vdc	21.6~32Vdc	21.6~32Vdc	43.2~64Vdc	21.6~32Vdc	21.6~32Vdc	10.8~16Vdc	21.6~32Vdc
No Load Current	≤ 0.8A	≤ 0.45A	≤ 0.7A	≤ 0.45A	≤ 0.45A	≤ 0.35A	≤ 0.7A	≤ 0.7A	≤ 1.2A	≤ 1.0A
Output voltage	220Vac±3% / 230Vac±10%									
Continuous power	400W		600W		1000W		2000W		3000W	
Power 10sec	600W		900W		1500W		3000W		4500W	
Power 1.5sec	800W		1200W		2000W		4000W		6000W	
Surge power	900W		1350W		2250W		4600W		6900W	
Output mode	Single phase									
Wave form	Pure Sine Wave									
Frequency	50/60Hz±0.2%									
Distortion THD	≤ 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%
Dimension (mm)	280*166*74.3		195*186*82		295*208*98		436*249*116		507*249*116	
Net weight (kg)	1.8		2.3		3.3		6.0		7.5	
Enclosure	IP30									
Working environment Temp.	-20°C ~ +50°C									
Humidity range	≤ 95% (N.C.)									