

SI Series 0.5KW-1KW Inverter



24V Inverter Technical Data

Model	SI01-1KW	
DC Input	Battery Voltage (VDC)	24
	Under Voltage Point (VDC)	21.6
	Under Voltage Recovery Point (VDC)	25.2
	Over Voltage Point (VDC)	29
	Over Voltage Recovery Point (VDC)	28
Solar Charger Parameters	Maximum PV Array Open Circuit Voltage (V)	50
	MPPT Range & Operating Voltage(V)	29~36.5
	Charge Type	PWM
	Maximum Solar Charge Current (A)	35
	Battery Float Voltage (V)	28
	Maximum Efficiency	96%
AC Charger Parameters	City Power Input Voltage Range (VAC)	175~265
	City Power Input Frequency (HZ)	45~65
	AC Charging Current (A)	10A
	Battery Float Voltage (VDC)	27.5
	Switching Time (MS)	≤10MS
Inverter Parameters	Output Voltage (KW)	1
	Waveform	Pure Sine Wave
	Output Voltage(VAC)	220±2%
	Output Frequency (HZ)	50/60
	Distortion of Output Voltage	<5%
	Over Load Capacity 100%~125%	1Min
	Over Load Capacity > 150%	10S
Peak Efficiency (η)	≥81%	
Operation Mode	Priority of power supply from power grid & diesel engine/solar panel	
Protection Function	DC & AC overload, under voltage, short-circuit, overcharge, over discharge, over-temperature, reverse connection	
Display	LCD	
Communication Function	RS485 (Optional)	
Cooling Method	Forced air cooling	
Operating Environment	Noise Emission [dB (A)]	≤65
	Operating Temperature Range (°C)	-20°C~45°C
	Relative Humidity (% rh)	≤95% (no condensation)
	Max Operating Altitude (M)	<1000m (>1000m, the capacity shall be reduced according to GB/T7260)
Physical	Protection Degree	IP20
	Dimension (D*W*H) in mm	302*196*380
	Net Weight (Kg)	18