

ST-1000 Pure Sine Wave SOLAR INVERTER (With Built in MPPT Charge Controller)

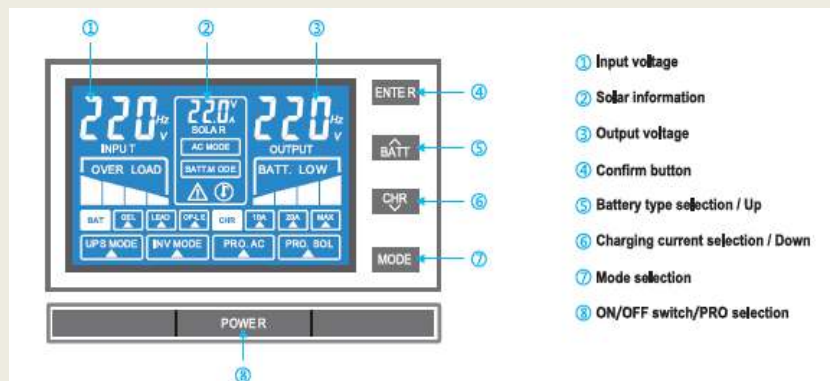
DATASHEET



ST-1000 Solar Inverter

Salient Features:

- Pure Sine Wave Output
- Suitable for Sensitive Equipment/Accessories
- Built-in MPPT Solar Controller
- Transformer Based
- Suitable for Harsh Environment
- Can set Solar or grid priority from display
- Built in 4-Steps AVR
- Surge Protection



Display

Main Technical Parameters of ST-1000 Solar Inverter

Model	ST-1000
Capacity	1200VA/1000W
DC Voltage	12V
Power factor	0.8
AVR	4 steps of AVR
Transformer	Toroidal transformer
Surge protection	Yes (With 125 Joules Varistor)
INPUT	
Voltage Range (Mode 1)	100~290Vac±5Vac
Voltage Range (Mode 2)	145~270Vac±5Vac
Frequency	45-65Hz
MPPT Solar Controller Specifications	
Maximum Power Point Tracking (MPPT)	Yes
PV Open Circuit Voltage (VOC)	100VDC
MPPT Voltage Range	16VDC-100VDC
Max PV Input Power	800W
MPPT Current	50A
Absorption Voltage	12.5VDC
Refloat Voltage	13.7VDC
Float Voltage	14.3VDC
Output Voltage	10.0-14.5VDC
Low Voltage Protection	10.0VDC
Protection	PV Array Short Circuit/Reverse Polarity
OUTPUT	
Voltage Range (Mode 1)	150~255Vac±5Vac
Voltage Range (Mode 2)	203~238Vac±5Vac

Output Frequency	50Hz \pm 5Hz (Batt. mode)
Wave Form	Pure sine wave (Batt. mode)
Transfer Time	Max. 10s.
BATTERY	
Charging Current (AC)	10A/20A (Selectable)
Type of battery(optional)	GEL/Sealed lead acid/Open lead acid
PHYSICAL	
Unit Dimension (mm)	290*255*120
Net Weight (1pc, kg)	7.6
Environment	
Operating Environment	Temperature 0°C~40°C, Humidity 20%~90%
Noise Level	\leq 40dB(1m)
MANAGEMENT	
USB	Optional

*The above data is for reference; changes are subject to the actual product.