

1.5KW HYBRID SOLAR INVERTER DATASHEET

Model: BST-HPL-1500W

Product Features

- Built-in MPPT solar charge controller for maximum efficiency.
- Continuous stable pure sine wave AC output.
- Supports monitoring via PC or mobile (RS485/RS232 standard, GPRS/WIFI optional).
- Compatible with both solar and AC grid charging.
- Intelligent system management with fast transfer time.
- Compact and lightweight design.

Parameter	Specification
Model	BST-HPL-1500W
Rated Power	1800VA / 1500W
AC Input Voltage Range	170–280VAC (for personal computers) / 90–280VAC (for home appliances)
Frequency Range	50Hz/60Hz (auto sensing)
AC Voltage Regulation (Battery Mode)	230VAC \pm 5%
Surge Power	3000W
Efficiency (PV to Inverter)	98%
Efficiency (Battery to Inverter)	94%
Transfer Time	10ms (PC) / 20ms (home appliances)
Waveform	Pure sine wave
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	14.4VDC
Max. PV Array Open Circuit Voltage	500VDC
MPPT Voltage Range	40–500VDC
Max. Solar Charging Current	100A
Max. AC Charging Current	60A
Max. Solar + AC Charging Current	100A
Solar Charger Type	MPPT
Communication Interface	RS485 / RS232 (Standard), GPRS/WIFI (Optional)
Operating Temperature	0°C – 55°C
Dimension (D×W×H)	399 × 285 × 118 mm
Net Weight	5.5 kg

Applications

- Small residential solar systems
- Backup power for home electronics
- Off-grid lighting and small appliances
- Hybrid solar + grid-connected systems.

Contact Information

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