

10.0KW HYBRID SOLAR INVERTER DATASHEET

Model: BST-HPL-10000W

Product Features

- Built-in MPPT solar charge controller for maximum power harvest.
- Pure sine wave AC output for stable and reliable operation.
- PC and mobile monitoring (RS485/RS232 standard, GPRS/WIFI optional).
- Dual 5.5KW units integrated for high-power performance.
- Supports solar and grid hybrid charging.
- High surge power for demanding appliances.

Parameter	Specification
Model	BST-HPL-10000W
Rated Power	11000VA / 10000W
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	20,000W
Efficiency (PV to Inverter)	98%
Efficiency (Battery to Inverter)	94%
Transfer Time	10ms (PC) / 20ms (home appliances)
Waveform	Pure sine wave
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	57.6VDC
Max. PV Array Open Circuit Voltage	500VDC
MPPT Voltage Range	60–500VDC
Max. Solar Charging Current	150A
Max. AC Charging Current	150A
Max. Solar + AC Charging Current	150A
Solar Charger Type	MPPT
Communication Interface	RS485 / RS232 (Standard), GPRS/WIFI (Optional)
Operating Temperature	0°C – 55°C
Dimension (D×W×H)	570 × 471 × 148 mm
Net Weight	19.3 kg

Applications

- Large residential homes with high energy needs
- Small and medium commercial backup systems
- Off-grid hybrid power plants
- Renewable energy storage with high-load capability.

Contact Information

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