

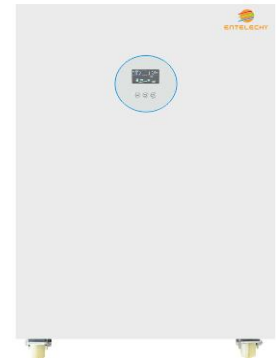
1. BST-INV-BG1KW~6KW Hybrid Inverter

2. BST-SPSS -8KW/10KW Hybrid Inverter

Features :

- ◆ DSP Intelligent control chipset.
- ◆ 3 times peak power, excellent loading capability.
- ◆ Inbuilt MPPT solar controller, maximize the solar energy.
- ◆ AC prior/ECO mode/Solar prior selectable.
- ◆ AC charge current 0~30A selectable.
- ◆ Battery type(LEAD, OP-LE, LITHIUM) selectable.
- ◆ Adding fault code to monitor real-time work situations.
- ◆ Continuous stable pure sine wave output with inbuilt AVR stabilizer.
- ◆ LCD display with multi-function, real-time display for dynamic values.

BST-INV-BG 1KW/2KW/3KW/4KW/5KW/6KW

BST-SPSS-8000W/10000W


Specification

| Model | | BST-INV-BG1000W | BST-INV-BG2000W | BST-INV-BG3000W | BST-INV-BG4000W | BST-INV-BG5000W | BST-INV-BG6000W | BST-INV-BG6000W | BST-SPSS-8000W | BST-SPSS-10000W |
|---------------------------------|------------------------------|---|---|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| Capacity | Rated power | 1KW | 2KW | 3KW | 4KW | 5KW | 6KW | 6KW | 8KW | 10KW |
| | Peak power(20ms) | 3KW | 6KW | 9KW | 12KW | 15KW | 18KW | 18KW | 24KW | 30KW |
| Input | Standard battery voltage | 12/24VDC | | 24/48VDC | | | 48VDC | | | |
| | AC input voltage range | 85~138VAC(110VAC) / 170~275VAC(220VAC) | | | | | | | | |
| | AC input frequency range | 45Hz~65Hz(50Hz/60Hz automatic recognition) | | | | | | | | |
| Output | Conversion efficiency | ≥90%(Battery mode); >99%(AC mode) | | | | | | | | |
| | Output voltage | 110VAC±2% / 220VAC±2%(Battery mode); 110VAC±10% / 220VAC±10%(AC mode) | | | | | | | | |
| | Output frequency | 50/60Hz±1%(Battery mode); Tracking Automatically(AC mode) | | | | | | | | |
| | Output waveform | Pure Sine Wave | | | | | | | | |
| | THD | ≤3% | | | | | | | | |
| AC charger | AC charging current | 0~30A selectable(C0=0A, C1=5A, C2=10A, C3=15A, C4=20A, C5=25A, C6=30A) | | | | | | | | |
| | AC charging method | Three-stage(constant current, constant voltage, floating charge) | | | | | | | | |
| MPPT solar charger | Charging mode | MPPT intelligent charging | | | | | | | | |
| | MPPT efficiency | > 98% | | | | | | | | |
| | Max PV input voltage(at 25℃) | 150V | | | | | | | | |
| | PV input voltage range | 15~120V(12V); 30~120V(24V); 60~120V(48V) | | | | | | | | |
| | Charge & discharge current | 40A | 60A | | | | | 80A | 100A | 100A |
| | Max PV input power | 560W@12V system, 1120W@24V system, | 840W@12V system, 1680W@24V system, 3360W@48V system | | | | | 4480W@48V system | 5600W@48V system | 5600W@48V system |
| Other | Transfer time | ≤4ms | | | | | | | | |
| | Protection | with over-voltage, low-voltage, overload, short circuit, high temperature protections | | | | | | | | |
| | Display | LCD | | | | | | | | |
| | Cooling way | Cooling fan in intelligent control | | | | | | | | |
| | Communication | RS232/RS485(Optional) | | | | | | | | |
| Working mode(selectable) | d1 | AC priority mode | | | | | | | | |
| | d2 | ECO priority mode | | | | | | | | |
| | d3 | Solar priority mode | | | | | | | | |
| Work environment | Operating temperature | -10℃~40℃ | | | | | | | | |
| | Storage temperature | -15℃~60℃ | | | | | | | | |
| | Elevation | 2000m(More than derating) | | | | | | | | |
| | Humidity | 0%~95%, No condensation | | | | | | | | |
| Physical | Dimension, L x W x H(mm) | 510*320*140 | | | 510*320*140 | | | 550*300*800 | | |
| | Net weight(kg) | 14.5 | 20.5 | 22.6 | 26.5 | 28.5 | 29.5 | 64.2 | 69.5 | |
| Packing | Dimension, L x W x H(mm) | 585*415*225 | | | 585*415*225 | | | 620*370*1010 | | |
| | Gross weight(kg) | 16 | 22.5 | 23.5 | 28 | 30 | 31 | 74 | 80 | |
| | Quantity/CTN | 1pcs per carton | | | | | | | | |

* All specifications are subject to change without prior notice.