

BST series Hybrid MPPT Solar Inverter 1KW~6KW

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.
- ◆ Inbuilt automatic AC charger and AC mains switcher, stwitch time $\leq 4\text{ms}$.



Specification

Model		BST-10240	BST-15240	BST-20260	BST-30260	BST-40260	BST-50260	BST-60260	BST-60280
Capacity	Rated power	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW	6KW
	Peak power	3KW	4.5KW	6KW	9KW	12KW	15KW	18KW	18KW
Input	Standard battery voltage	12/24VDC	12/24/48VDC		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

	Max PV input power	560W@12V system, 1120W@24V system, 2240W@48V system			840W@12V system, 1680W@24V system, 3360W@48V system				4480W@48V system
Other	Transfer time	≤4ms							
	Protection	with over-voltage, low-voltage, overload, short circuit, high tempreature 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	Dimention, L x W x H(mm)	490*300*130				510*320*140			
	Net weight(kg)	13.5	15.5	19.5	21.5	25.5	27.5	29.5	
Packing	Dimention, L x W x H(mm)	565*395*225				585*415*225			
	Gross weight(kg)	15	22	21	23	27	29	31	
	Quantity/CTN	1pcs per carton							

* All specifications are subject to charge without prior notice.