Guangzhou Best Electronic Technology Co.,Ltd

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BST-SPSS series Solar Generator 3000W/5000W

Feature:

◆ Low frequency, pure sine wave output.

◆ Wide AC voltage input range, AVR output.

◆ Built-in EI transformer/toroidal transformer optional.

◆ LCD real-time display, concise and straight forward.

◆ AC prior/EC mode/Battery prior selectable.

◆ 50Hz/60Hz automatic recognition.

◆ RS232 communication port optional.

◆ Support diesel/gasoline generator input.

Specification

Model BST	BST-SPSS 30248-50	BST-SPSS 50248-60
Rated Power	3000W	5000W
Peak power	9000W	15000W
Battery Voltage	48(51.2)VDC	48(51.2)VDC
Built-in LIFEPO4 Battery Capacity	51.2V120AH(6144WH) battery	51.2V198AH(10137.6WH) battery

Parameter

Input	Battery Input Voltage Range	42V~60V for 48V system
	AC Input Voltage Range	73VAC~138VAC/145VAC~275VAC
	AC Input Frequency Range	45Hz~65Hz(50Hz/60Hz automatic recognition)
Output	Efficiency(Battery Mode)	≥85%
	Output Voltage(Battery Mode)	110VAC±2%/220VAC±2%
	Output Frequency(Battery Mode)	50Hz±0.5/60Hz±0.5
	Output Wave(Battery Mode)	Pure Sine Wave
	Efficiency(AC Mode)	>99%
	Output Voltage(AC Mode)	110VAC±10%/220VAC±10%
	Output Frequency(AC Mode)	Tracking Automatically
	Output waveform distortion(Battery Mode)	≤3%(Linear load)

AC charger	AC charging current	Max 15A		
	AC charging voltage	Charge Voltage: 28V for 24V system, 56V for 48V system; Float Voltage: 27.6V for 24V system, 55.2V for 48V system		
	AC charging method	Three-stage(constant current, constant voltage, floating charge)		
Battery Type	Customize battery	Charge and discharge parameters of different types of batteries (such as lithium batteries, etc.) can be customized according to user requirements		
Working Mode(Selectable)	AC prior(01)	Under AC prior mode, device will always use utility source and through regulator to supply loads as well as charge battery(charging current selectable); when utility power is with high/low/serious distortion or other abnormal, device will auto converter battery source to supply loads.		
	EC mode(02)	Under Energy saving mode, device dedects load, when the load is ＜10% rated power, device will auto on/off AC output; when the load is ＞ 10% rated power, device will start AC output.		
	Battery prior(03)	Under Battery prior mode, device will always use battery source to coverter high quality electricity for load; when battery source is failed, device will auto use utility source and through regulator to supply loads.		
Protection	Battery low voltage alarm	22V for 24V system; 44V for 48V system		
	Battery low voltage protection	21V for 24V system; 42V for 48V system		
	Battery high voltage alarm	30V for 24V system; 60V for 48V system		
	Battery high voltage protection	34V for 24V system; 68V for 48V system		
	Battery high voltage recover	29V for 24V system; 58V for 48V system		
	Overload protection	Automatic protection(battery mode), circuit breaker or fuse (AC mode)		
	Inverter output short circuit protection	Automatic protection (battery mode), circuit breaker or fuse (AC mode)		
	Temperature protection	＞90℃(Shut down output)		
Alarm	A	Normal working condition, buzzer has no alarm sound		
	B	Buzzer sounds 4 times per second when battery failure, voltage abnormality, overload		
	C	When the machine is turned on for the first time, the buzzer will prompt 5 when the machine is normal		
Transfer Time		≤4ms		
Display		LCD		
Thermal method		Cooling fan in intelligent control		
Communication		RS232(Optional)		
Environment	Operating temperature	-20℃~55℃		
	Storage temperature	-15℃~60℃		
	Noise	≤55dB		
	Elevation	2000m（More than derating）		
	Humidity	0%~95% ,No condensation		
Physical	Dimention, L x W x H(mm)		820*450*730	820*450*730
	Net weight(kg)(with battery)		90.2	137.5
Packing	Dimention, L x W x H(mm)		880*510*860	880*510*860
	Gross weight(kg)(with battery)		100	147.6
	Quantity/CTN	1pcs per wooden case		

Note: All specifications are subject to charge without prior notice