



1 Scope of application:

This product specification specification of the product size, performance, test methods are standardized, as the basis of technical confirmation.

2 General Specification:

2.1 Scope of application

The products can be used in solar modules, solar power generation systems, solar application products and other fields.

2.2 Standard test conditions

The test condition of this product is AM1.5, 1000W/m², 25°C

3 一般特性 General Specification

PART NO.	BST-30W-18P-1	BST-30W-18P-2	BST-40W-18P	BST-45W-18P	BST-50W-18P
SOLAR CELL	Multi	Multi	Multi	Multi	Multi
PMAX	30W	30W	40W	50W	50W
VOC(V)	21.6	21.6	21.6	21.6	21.6
ISC(A)	1.75	1.76	2.33	2.63	2.92
VMP(V)	18	18	18	18	18
IMP(A)	1.67	1.67	2.22	2.5	2.78
OPERATING TEMPERATURE	-45°C+85°C	-45°C+85°C	-45°C+85°C	-45°C+85°C	-45°C+85°C
POWER TOLERANCE	±5%	±5%	±5%	±5%	±5%
MAX.POWER TEMP	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C
OPEN CIRCUIT VOLTAGE TEMP	-(160±10)mV/°C	-(160±10)mV/°C	-(160±10)mV/°C	-(160±10)mV/°C	-(160±10)mV/°C
SHOT CIRCUIT CURRENT TEMP	(0.065±0.015)%/°C	(0.065±0.015)%/°C	(0.065±0.015)%/°C	(0.065±0.015)%/°C	(0.065±0.015)%/°C
MAX.SYSTEM VOLTAGE(V)	600V	1000V	1000V	1000V	1000V
SIZE(L*W*H mm)	520*490*25	635*350*17	520*535*25	610*520*25	680*510*25

PART NO.	BST-60W-18P	BST-70W-18P	BST-80W-18P-1
SOLAR CELL	Multi	Multi	Multi
PMAX	60W	70W	80W
VOC(V)	21.6	21.54	21.6
ISC(A)	3.5	4.08	4.67
VMP(V)	18	18	18
IMP(A)	3.33	3.89	4.44
OPERATING TEMPERATURE	-45°C+85°C	-45°C+85°C	-45°C+85°C
POWER TOLERANCE	±5%	±5%	±5%
MAX.POWER TEMP	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C
OPEN CIRCUIT VOLTAGE TEMP	-(160±10)mV/°C	-(160±10)mV/°C	-(160±10)mV/°C
SHOT CIRCUIT CURRENT TEMP	(0.065±0.015)%/°C	(0.065±0.015)%/°C	(0.065±0.015)%/°C
MAX.SYSTEM VOLTAGE(V)	1000V	1000V	600V
SIZE(L*W*H mm)	670*610*30	676*670*30	780*670*30

PART NO.	BST-80W-18P-2	BST-90W-18P
SOLAR CELL	Multi	Multi
P _{MAX}	80W	90W
V _{OC} (V)	4.67	21.6
I _{SC} (A)	15.12	5.25
V _M P(V)	18	18
I _M P(A)	4.44	5
OPERATING TEMPERATURE	-45°C-+85°C	-45°C-+85°C
POWER TOLERANCE	±5%	±5%
MAX.POWER TEMP	-(0.5±0.05)%/°C	-(0.5±0.05)%/°C
OPEN CIRCUIT VOLTAGE TEMP	-(160±10)mV/°C	-(160±10)mV/°C
SHOT CIRCUIT CURRENT TEMP	(0.065±0.015)%/°C	(0.065±0.015)%/°C
MAX.SYSTEM VOLTAGE(V)	1000V	1000V
SIZE(L*W*H mm)	997*510*30	870*670*30

4 Mechanical Properties

SIZE: L870mm xW670mm x H30mm

Weight:6.2 kg

Battery Specification : 36PCS (156mm MULTI)

Frame: Anodized aluminum frame

Structure: Front: 3.2mm high transmittance toughened glass sealing material: EVA Back: PET/TPT

5 Use and storage environment conditions

1. Storage environment: -20°C-60°C
2. Use in outdoor environment without shade under the sun
3. The temperature of the iron is 360±5°C, and the welding time cannot exceed 3 seconds.

6 Points for Attention in Use

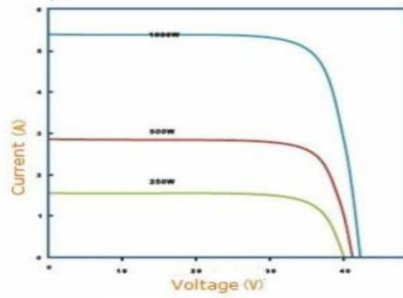
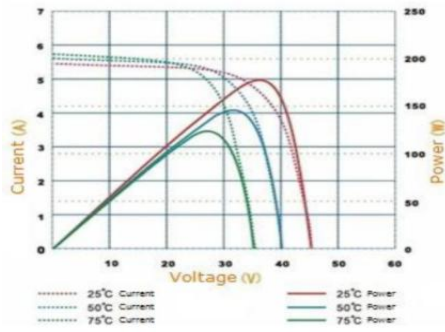
- A) It shall not exceed the power use range.
- B) Avoid scratching the surface with hard objects during use
- C) Can not bear bending force during transportation and assembly
- D) There shall be no contact with strong corrosive substances. If there is, it shall be cleaned immediately.
- E) When the solar panel is connected with electrical appliances, pay attention to whether the connecting wire is broken and whether the positive and negative poles are connected in reverse.



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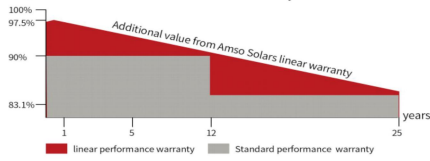
Address: 5/F, C District, No. 98, Road 9, Pacific Industrial Zone, Xintang Town, Zengcheng District, Guangzhou, China



LINEAR PERFORMANCE WARRANTY

► 12 Year Product Warranty

► 25 Year Linear Power Warranty



QUALIFICATION

