

## 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/m<sup>2</sup>, 25°C

## 3 General Specification

PART NO.	BST-35W-18M	BST-40W-18M	BST-50W-18M	BST-60W-18M
SOLAR CELL	MONO	MONO	MONO	MONO
P <sub>MAX</sub>	35W	45W	50W	60W
V <sub>OC</sub> (V)	21.6	21.6	21.6	21.6
I <sub>SC</sub> (A)	2.04	2.63	2.92	3.51
V <sub>MP</sub> (V)	18	18	18	18
I <sub>MP</sub> (A)	1.94	2.5	2.78	3.33
OPERATING TEMPERATURE	-45°C~+85°C	-45°C~+85°C	-45°C~+85°C	-45°C~+85°C
POWER TOLERANCE	±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
OPEN CIRCUIT VOLTAGE TEMP	-(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
MAX.SYSTEM VOLTAGE(V)	600V	1000V	1000V	1000V

PART NO.	BST-80W-18M	BST-90W-18M-1	BST-90W-18M-2
SOLAR CELL	MONO	MONO	MONO
P <sub>MAX</sub>	80W	90W	90W
V <sub>OC</sub> (V)	21.4	21.6	21.6
I <sub>SC</sub> (A)	4.67	5.25	5.25
V <sub>MP</sub> (V)	18	18	18
I <sub>MP</sub> (A)	4.44	5	5
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)	600V	600V	600V

## 4 Mechanical Properties



# Guangzhou Best Electronic Technology co.,Ltd

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

SIZE: L520mm xW535mm x H25mm

Weight: 2.9kg

Battery Specification : 36PCS (156mm MULTI)

Frame. : Frameless

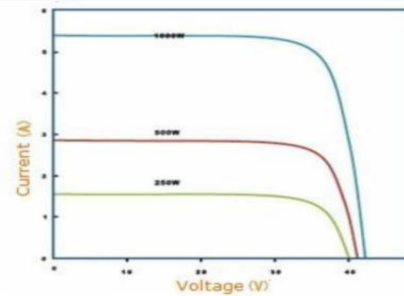
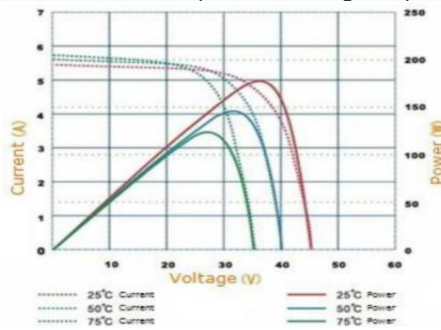
Structure: Front: 3.2mm high transmittance toughened glass sealing material: EVA Back: PET/TPT

## 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

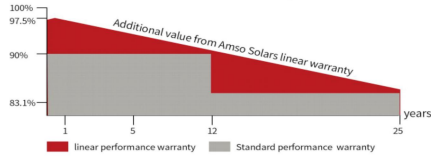
- A) It shall not exceed the power use range.
- B) Avoid scratching the surface with hard objects during use
- C) Can not bear bending force during transportation and assembly
- D) There shall be no contact with strong corrosive substances. If there is, it shall be cleaned immediately.
- E) When the 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.



### LINEAR PERFORMANCE WARRANTY

► 12 Year Product Warranty

► 25 Year Linear Power Warranty



### QUALIFICATION

