



QVA PRO
MONOFACIAL

BSM585PMB6-60SC

570~590W



MANAGEMENT SYSTEM CERTIFICATES

- ISO 9001:2015 / Quality management system
- ISO 14001:2015 / Standards for environmental
- ISO 45001: 2018 / International standards for occupational health & safety



Shingled Technology

Innovative structure, low -temperature adhesive bonding, high-density layout



Beautiful Appearance

Uniform layout, better aesthetic

PERFORMANCE WARRANTY

- 15** Enhanced Product Warranty on Materials and Workmanship.
- 30** Linear Power Performance Warranty*
- 0.55** Annual Degradation Over 30 years no more than 0.55%

PRODUCT CERTIFICATES

IEC 61215 / IEC 61730 / CE



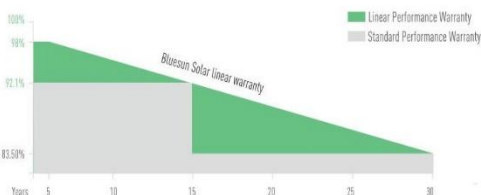
Superior safety and Reliability

No hidden welding crack, low operating temperature, high pressure resistance



Low System Cost

High module efficiency, reducing system cost



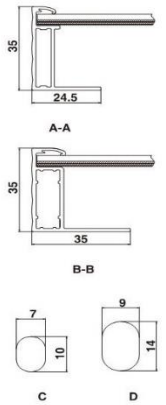
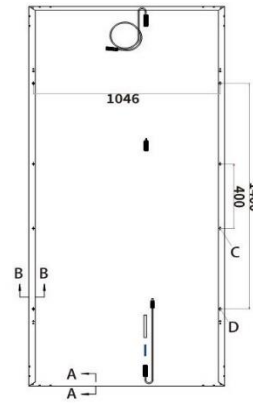
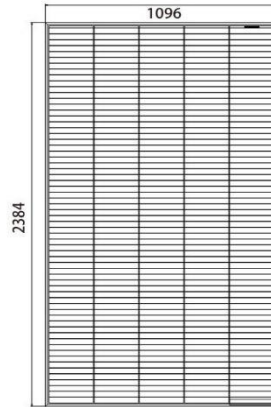
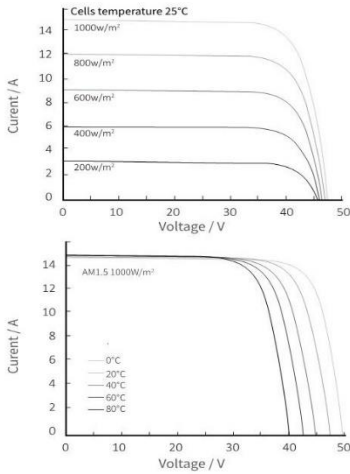
*According to the applicable Bluesun Solar Limited Warranty Statement.

THE IDEAL SOLUTION FOR:



Low Shading Loss

Full parallel arrangement brings high effective power generation hours



MECHANICAL SPECIFICATION

Cell Type	Mono-crystalline solar cell
Cell Dimensions	210*210mm
Cell Orientation	345 (69*5)
Weight	28.3kg
Module Dimensions	2384*1096*35mm
Cable Length	Portrait 300mm/Landscape 1200mm/Customized
Cable Cross Section Size	TUV: 4mm ² (0.006inches ²)/UL: 12AWG
Front Glass	3.2mm (0.13inches) AR Coating Tempered Glass
No. of Bypass Diodes	3
Packing Configuration	31pcs/carton, 620pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	25A
Static Loading	Snow Loading: 5400Pa/ Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	T01/LJQ-3-CSY/MC4/MC4-EVO2

TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.34%/°C
Temperature Coefficient Voc	-0.27%/°C
Temperature Coefficient Isc	+0.04%/°C
NMOT	42.3±2°C

*Data contained in these specifications is subject to change without notice. Bluesun Solar reserves the right to final interpretation of content.

SPECIFICATIONS

Module Type	BSM570PMB6-60SC		BSM575PMB6-60SC		BSM580PMB6-60SC		BSM585PMB6-60SC		BSM590PMB6-60SC	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	570	426	575	434	580	438	585	442	590	446
Operating Voltage (Vmp/V)	39.5	37.50	39.60	37.70	39.70	37.80	39.80	37.90	39.90	38.00
Operating Current (Imp/A)	14.44	11.36	14.53	11.52	14.62	11.59	14.71	11.67	14.80	11.74
Open-Circuit Voltage (Voc/V)	47.50	45.20	47.60	45.40	47.70	45.50	47.80	45.67	47.90	45.70
Short-Circuit Current (Isc/A)	15.36	12.30	15.46	12.46	15.56	12.55	15.65	12.63	15.75	12.71
Module Efficiency ηm(%)	21.60		22.00		22.20		22.40		22.60	

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s