



POLO

BSM300P-60


280~300W

MONOFACIAL MODULE

BLUESUN SOLAR CO.,LTD

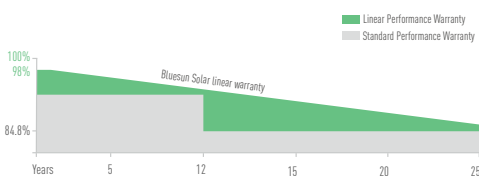
Bluesun, founded in 2004, as a superior photovoltaic manufacturer, is devoted to the R&D and the production of crystalline silicon solar cells and modules for 17 years. The company has its sales areas spread all over more than 100 countries and regions in the world, and the cumulative historical shipments exceeded 12 GW.

PERFORMANCE WARRANTY

 Enhanced Product Warranty on Materials and Work man ship.

 Linear Power Performance Warranty*

 Annual Degradation Over 25 years no more than 0.55%



*According to the applicable Bluesun Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental

ISO 45001: 2018 / International standards for occupational health & safety

PRODUCT CERTIFICATES

IEC 61215 / IEC 61730 / CE



THE IDEAL SOLUTION FOR:



High module conversion efficiency

Polycrystalline Solar Cell, Module efficiency up to 18.47 %



Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



Extended wind and snow load tests

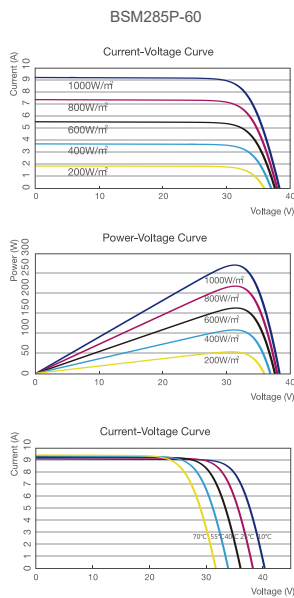
Module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)

SPECIFICATIONS

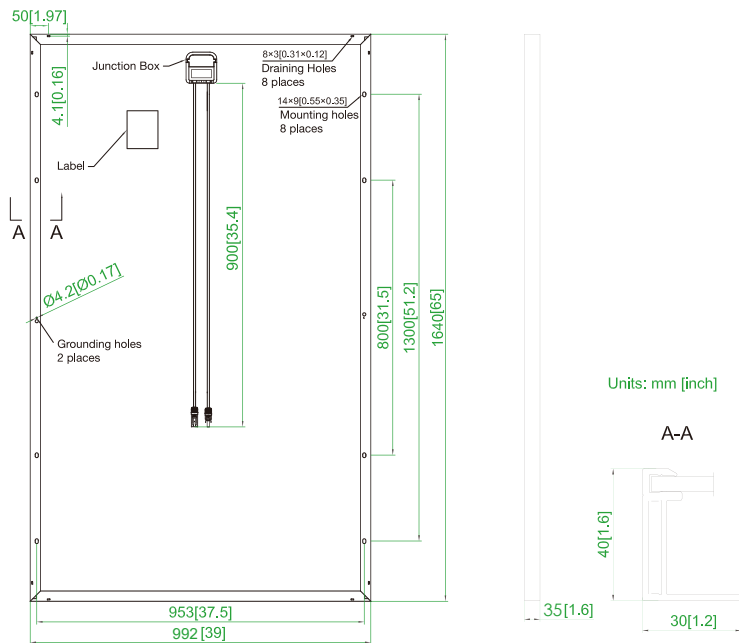
Module Type	BSM280P-60	BSM285P-60	BSM290P-60	BSM295P-60	BSM300P-60
	STC	STC	STC	STC	STC
Maximum Power (P _{max} /W)	280	285	290	295	300
Operating Voltage (V _{mpp} /V)	31.88	32.18	32.56	32.90	33.24
Operating Current (I _{mpp} /A)	8.78	8.85	8.91	8.97	9.03
Open-Circuit Voltage (V _{oc} /V)	38.85	38.95	39.63	40.02	40.41
Short-Circuit Current (I _{sc} /A)	9.33	9.43	9.56	9.63	9.70
Module Efficiency η _m (%)	17.12	17.55	17.86	18.16	18.47

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

I-V CURVE



ENGINEERING DRAWINGS



MECHANICAL SPECIFICATION

Cell Type	Polycrystalline
Cell Dimensions	156*156mm
Cell Arrangement	60 (6*10)
Weight	18.0kg
Module Dimensions	1640*992*35mm
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	30pcs/carton, 840pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1000V DC(IEC)
Operating Temperature	-40°C~ +85°C
Maximum Series Fuse	15A
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 P _{max}	-0.36%/°C
Temperature Coefficient V _{oc}	-0.26%/°C
Temperature Coefficient I _{sc}	+0.043%/°C
NMOT	43±2°C

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