

what we offer

**YOUR
BEST
PV
SUPPLIER**

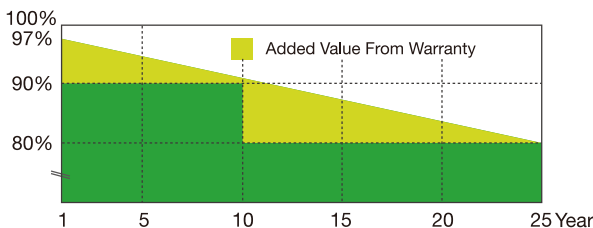
BSM300P-60/5BB Polycrystalline 60 cells 280w-300w

1 Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

2 Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



3 Key features



Polycrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD



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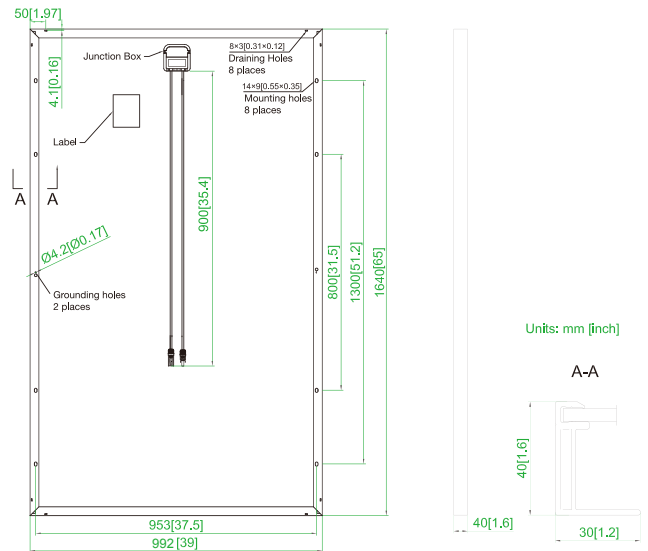
Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	18 (approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1640x992x40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

Working Conditions

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	15A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Engineering Drawings

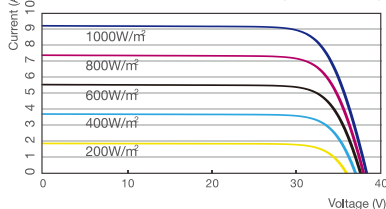


Electrical Parameters

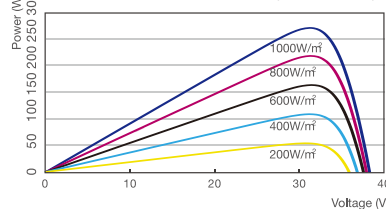
Module	BSM280P-60	BSM285P-60	BSM290P-60	BSM295P-60	BSM300P-60
Rated Maximum Power at STC (W)	280	285	290	295	300
Open Circuit Voltage (Voc/V)	38.85	38.95	39.63	40.02	40.41
Maximum Power Voltage (Vmp/V)	31.88	32.18	32.56	32.90	33.24
Short Circuit Current (Isc/A)	9.33	9.43	9.56	9.63	9.70
Maximum Power Current (Imp/A)	8.78	8.85	8.91	8.97	9.03
Module Efficiency [%]	17.12	17.55	17.86	18.16	18.47
Power Tolerance (W)			-0~+5W		
Temperature Coefficient of Isc (αIsc)			+0.058%/°C		
Temperature Coefficient of Voc (βVoc)			-0.330%/°C		
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve

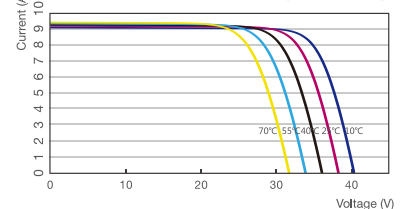
Current-Voltage Curve (BSM285P-60)



Power-Voltage Curve (BSM285P-60)



Current-Voltage Curve (BSM285P-60)



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