

what we offer

**YOUR  
BEST  
PV  
SUPPLIER**

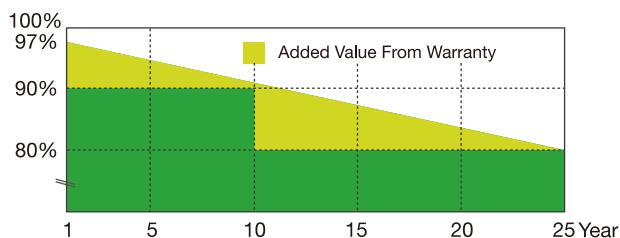
## **BSM285P-60/5BB** **Polycrystalline 60 cells 265w-285w**

### **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

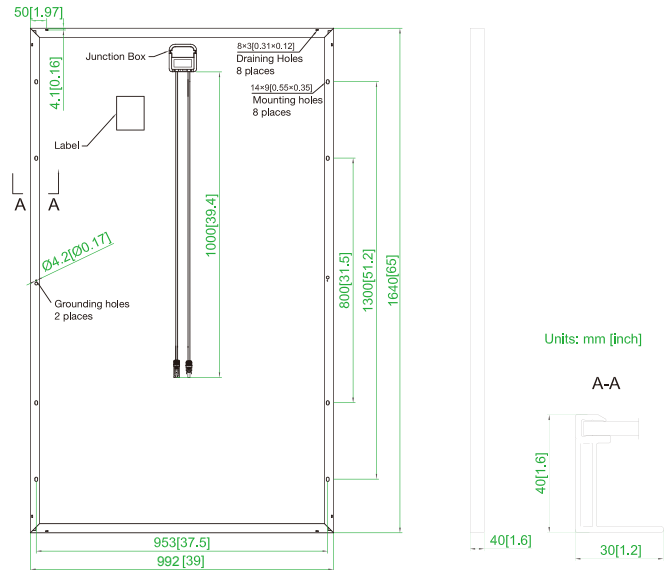
## Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	18 (approx)
Glass Thickness	4/3.2mm
Dimensions (LxWxH) (mm)	1640x992x40
Cable Cross Section Size (mm <sup>2</sup> )	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 <sup>2</sup> )
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Application Class	Class A

## Engineering Drawings

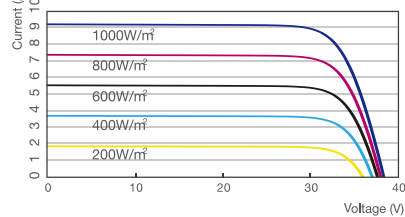


## Electrical Parameters

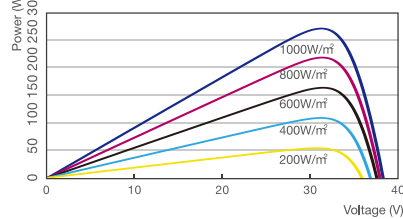
Module	BSM265P-60	BSM270P-60	BSM275P-60	BSM280P-60	BSM285P-60
Rated Maximum Power at STC (W)	265	270	275	280	285
Open Circuit Voltage (Voc/V)	38.14	38.30	38.46	38.85	38.95
Maximum Power Voltage (Vmp/V)	30.89	31.21	31.54	31.88	32.19
Short Circuit Current (Isc/A)	9.10	9.16	9.22	9.33	9.43
Maximum Power Current (Imp/A)	8.58	8.65	8.72	8.78	8.85
Module Efficiency [%]	16.21	16.51	16.82	17.12	17.55
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 <sup>2</sup> , Cell Temperature 25°C, Air Mass 1.5				

## I-V Curve

Current-Voltage Curve (BSM275P-60)



Power-Voltage Curve (BSM275P-60)



Current-Voltage Curve (BSM275P-60)

