



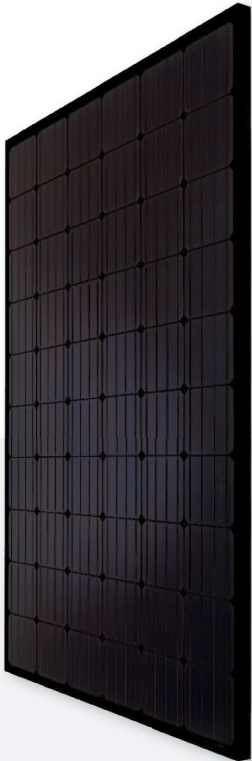
Advancing the Power of the Sun

0~+5W  
Power Tolerance

18.1%  
Maximum Efficiency

280-295W  
Power Output Range

PERC Technology  
60 Cell Mono  
280-295W  
BVM6610M-PERC



39.06 x 64.57 Inches  
Black Frame / Black Backsheet

- High Quality and Reliable Modules**
- ◆ Withstand up to 5400 Pa snow load and 2400 Pa wind load
  - ◆ 1000V DC (UL) / 1500V DC (UL) certified
  - ◆ 2 EL inspections per cell/module for defect-free consistency
  - ◆ Type 1 fire-rating per UL 1703 edition 3
  - ◆ High salt and ammonia resistance certified by TUV Rheinland
  - ◆ 0~+5 W guaranteed positive tolerance
  - ◆ Rugged design for long-term durability; passed extended reliability tests

- Warranty**
- ◆ 12-year product warranty
  - ◆ 25-year linear power output warranty

- Comprehensive Certificates for Products and Management**
- ◆ UL 1703, IEC 61215, IEC 61730, CEC listed, MCS and CE
  - ◆ ISO 9001 for Quality Management Systems
  - ◆ ISO 14001 for Environmental Management Systems
  - ◆ ISO 18001 Occupational Health and Safety System



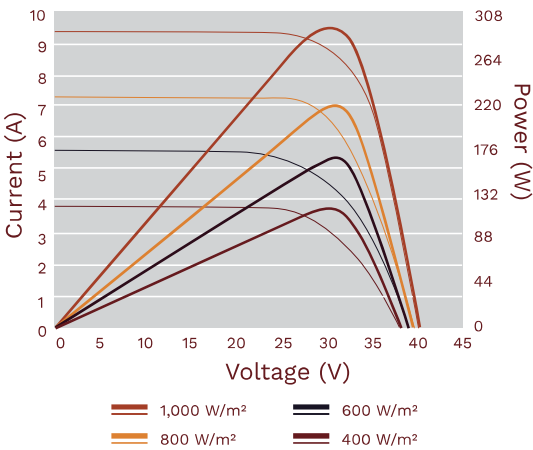
Electrical Characteristics STC				
	BVM6610M-280	BVM6610M-285	BVM6610M-290	BVM6610M-295
Maximum Power (Pmax)	280W	285W	290W	295W
Maximum Power Current (Imp)	8.84A	8.91A	8.98A	9.05A
Maximum Power Voltage (Vmp)	31.7V	32.0V	32.3V	32.6V
Short Circuit Current (Isc)	9.40A	9.47A	9.54A	9.62A
Open Circuit Voltage (Voc)	38.8V	39.2V	39.6V	40.0V
Module Efficiency	17.2%	17.5%	17.8%	18.1%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m², 25°C				

Electrical Characteristics NOCT				
	BVM6610M-280	BVM6610M-285	BVM6610M-290	BVM6610M-295
Maximum Power (Pmax)	204W	208W	212W	216W
Maximum Power Current (Imp)	7.07A	7.13A	7.17A	7.25A
Maximum Power Voltage (Vmp)	28.9V	29.2V	29.6V	29.8V
Short Circuit Current (Isc)	7.57A	7.63A	7.67A	7.74A
Open Circuit Voltage (Voc)	35.4V	35.8V	36.3V	36.6V
NOCT: AM1.5, Irradiance 800W/m², 20°C, Wind speed 1m/s				

Mechanical Characteristics		Thermal Characteristics	
Solar Cell	Monocrystalline 6.14 x 6.14 inch, 60 (6 x 10) pcs. in series	Pmax Temperature Coefficient	-0.40%/K
Glass	High transparency, low iron, tempered glass 3.2 mm (0.13 inch)	Voc Temperature Coefficient	-0.32%/K
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.06%/K
Junction Box	IP67 rated, with 3 bypass diode	NOCT	113±3.6°F
Output Cable	4 mm² (EU)/12 AWG (US), 43.30/47.244 inch		
Connector	MC4 compatible		
Dimension	64.57 x 39.06 x 1.57 inch		
Weight	40.79 lb		

Maximum Ratings		Packing Information	
Operating Temperature	-40°F~185°F	Pieces per pallet	26
Maximum Series Fuse Rating	15A	Pallets per container (40HQ)	28
Maximum System Voltage	1000V DC / 1500V DC	Pieces per container (40HQ)	728
Specifications in this datasheet are subject to change without prior notice.		Pallet weight/size	1177.3 lb/66.93 x 44.49 x 44.68 inch

I-V Curves at Different Irradiances (290W)  
Test Temperature: 25°C



Irradiance: AM 1.5, 1,000W/m² (290W)

