



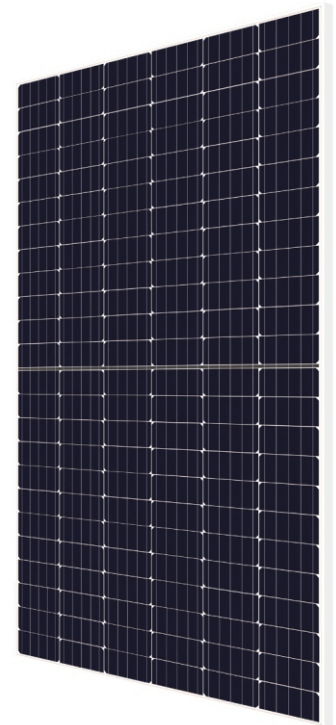
120 Cell Mono
305-320W(5BB)

BVM6610M
(Half-cell)

0~+5W
Power Tolerance

19.3%
Maximum Efficiency

305-320W
Power Output Range



1674 x 990 x 35 mm

Silver Frame / White Backsheet



High Quality and Reliable Modules

- ◆ Withstand up to 5400 Pa snow load and 2400 Pa wind load
- ◆ 1000/1500V DC TUV certified
- ◆ 2 EL inspections per cell/module for defect-free consistency
- ◆ Fire Rating Class C by TUV Rheinland
- ◆ High salt and ammonia resistance certified by TUV Rheinland
- ◆ 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

- ◆ IEC 61215, IEC 61730, MCS and CE
- ◆ ISO 9001 for Quality Management Systems
- ◆ ISO 14001 for Environmental Management Systems
- ◆ OHSAS 18001 Occupational Health and Safety System



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Electrical Characteristics STC

	BVM6610M-305-HC	BVM6610M-310-HC	BVM6610M-315-HC	BVM6610M-320-HC
Maximum Power (Pmax)	305W	310W	315W	320W
Maximum Power Current (Imp)	9.23A	9.30A	9.38A	9.46A
Maximum Power Voltage (Vmp)	33.05V	33.34V	33.59V	33.83V
Short Circuit Current (Isc)	9.69A	9.77A	9.86A	9.94A
Open Circuit Voltage (Voc)	39.55V	39.78V	40.03V	40.35V
Module Efficiency	18.4%	18.7%	19.0%	19.3%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m ² , 25°C				

Electrical Characteristics NOCT

	BVM6610M-305-HC	BVM6610M-310-HC	BVM6610M-315-HC	BVM6610M-320-HC
Maximum Power (Pmax)	226W	229W	233W	237W
Maximum Power Current (Imp)	6.88A	6.91A	6.97A	7.04A
Maximum Power Voltage (Vmp)	32.85V	33.15V	33.43V	33.67V
Short Circuit Current (Isc)	7.93A	7.99A	8.04A	8.12A
Open Circuit Voltage (Voc)	36.67V	36.96V	37.28V	37.45V
NOCT: AM1.5, Irradiance 800W/m ² , 20°C, Wind speed 1m/s				

Mechanical Characteristics

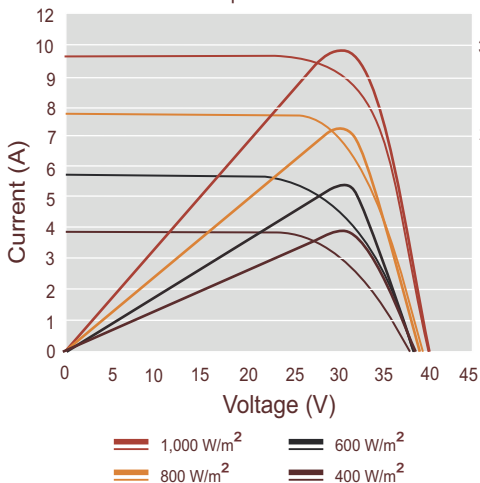
Thermal Characteristics

Solar Cell	Monocrystalline 156.75x78.375mm, 120 (6 x 20) pcs in series	Pmax Temperature Coefficient	-0.39%/K
Glass	High transparency, low iron, tempered glass 3.2 mm	Voc Temperature Coefficient	-0.295%/K
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.039%/K
Junction Box	IP67 rated, with 3 bypass diode	NOCT	45±2°C
Cabel	4mm ² (EU)/1000 mm long		
Connector	MC4 Original		
Dimension	1674x990x35 mm		
Weight	18.8 KG		

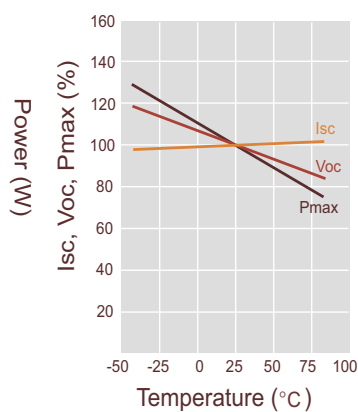
Packing Information

Operating Temperature	-40~85°C	Pieces per pallet	30
Maximum Series Fuse Rating	15/20 A	Pallets per container (40HQ)	26
Maximum System Voltage	Standard 1000V, 1500V on request	Pieces per container (40HQ)	780
Specifications in this datasheet are subject to change without prior notice.		Pallet weight/size	609KG/1714*1120*1140mm

I-V Curves at Different Irradiances (305W)
Test Temperature: 25°C



Irradiance: AM 1.5, 1,000W/m² (305W)



Grid holes

