



60 Cell Mono
280-300W(5BB)

BVM6610M

0~+5W
Power Tolerance

18.4%
Maximum Efficiency

280-300W
Power Output Range



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
- ◆ 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

1640 x 992 x 40 mm

Black Frame / Black Backsheet



Boviet Solar www.boviet.com

B5, B6 , Song Khe Industrial Zone, Noi Hoang District Bac Giang Province, 21000 Vietnam

Electrical Characteristics STC

	BVM6610M-280	BVM6610M-285	BVM6610M-290	BVM6610M-295	BVM6610M-300
Maximum Power (Pmax)	280W	285W	290W	295W	300W
Maximum Power Current (Imp)	8.81A	8.94A	9.07A	9.20A	9.32A
Maximum Power Voltage (Vmp)	31.8V	31.9V	32.0V	32.1V	32.2V
Short Circuit Current (Isc)	9.33A	9.56A	9.65A	9.73A	9.84A
Open Circuit Voltage (Voc)	38.8V	38.9V	39.2V	39.4V	39.5V
Module Efficiency	17.2%	17.5%	17.8%	18.1%	18.4%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m ² , 25°C					

Electrical Characteristics NOCT

	BVM6610M-280	BVM6610M-285	BVM6610M-290	BVM6610M-295	BVM6610M-300
Maximum Power (Pmax)	206W	209W	212W	216W	219W
Maximum Power Current (Imp)	7.04A	7.11A	7.17A	7.25A	7.30A
Maximum Power Voltage (Vmp)	29.3V	29.4V	29.6V	29.8V	30.0V
Short Circuit Current (Isc)	7.53A	7.73A	7.79A	7.86A	7.97A
Open Circuit Voltage (Voc)	35.8V	35.8V	36.1V	36.3V	36.5V
NOCT: AM1.5, Irradiance 800W/m ² , 20°C, Wind speed 1m/s					

Mechanical Characteristics

Thermal Characteristics

Solar Cell	Monocrystalline 156.75x156.75mm, 60 (6 x 10) pcs in series	Pmax Temperature Coefficient	-0.40%/K
Glass	High transparency, low iron, tempered glass 3.2 mm	Voc Temperature Coefficient	-0.31%/K
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.06%/K
Junction Box	IP67 rated, with 3 bypass diode	NOCT	45±2°C
Output Cable	4 mm ² (EU)/900/1000 mm long		
Connector	MC4 compatible		
Dimension	1640x992x40 mm		
Weight	18.5KG		

Maximum Ratings

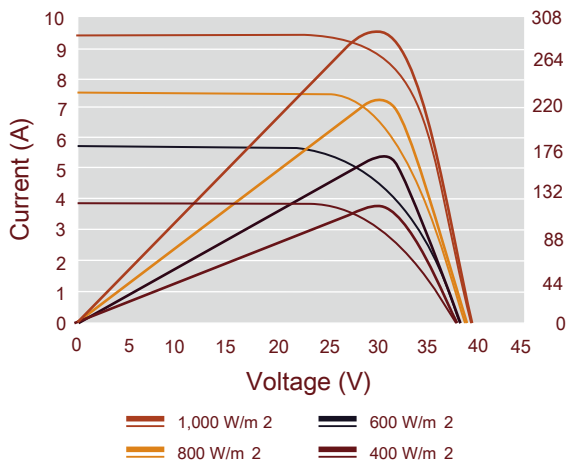
Packing Information

Operating Temperature	-40~85°C	Pieces per pallet	26
Maximum Series Fuse Rating	15A	Pallets per container (40HQ)	28
Maximum System Voltage	1000/1500V DC	Pieces per container (40HQ)	728

Pallet weight/size 534KG/1690*1130*1135mm

Specifications in this datasheet are subject to change without prior notice.

I-V Curves at Different Irradiances (285W)
Test Temperature: 25°C



Irradiance: AM 1.5, 1,000W/m² (285W)

