



60 Cell Poly  
270-290W(5BB)

BVM6610P

0~+5W  
Power Tolerance

17.75%  
Maximum Efficiency

270-290W  
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

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

1650 x 990 x 35 mm

Silver Frame / White Backsheet



Boviet Solar [www.boviet.com](http://www.boviet.com)

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### Electrical Characteristics STC

	BVM6610P-270	BVM6610P-275	BVM6610P-280	BVM6610P-285	BVM6610P-290
Maximum Power (Pmax)	270W	275W	280W	285W	290W
Maximum Power Current (Imp)	8.82A	8.92A	9.01A	9.12A	9.21A
Maximum Power Voltage (Vmp)	30.62V	30.83V	31.08V	31.25V	31.49V
Short Circuit Current (Isc)	9.25A	9.33A	9.43A	9.51A	9.6A
Open Circuit Voltage (Voc)	38.59V	38.8V	39.01V	39.21V	39.42V
Module Efficiency	16.52%	16.83%	17.14%	17.44%	17.75%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m <sup>2</sup> , 25°C					

### Electrical Characteristics NOCT

	BVM6610P-270	BVM6610P-275	BVM6610P-280	BVM6610P-285	BVM6610P-290
Maximum Power (Pmax)	198.36W	202.04W	205.71W	209.39W	213.52W
Maximum Power Current (Imp)	7.10A	7.19A	7.26A	7.35A	7.44A
Maximum Power Voltage (Vmp)	27.94V	28.12V	28.35V	28.51V	28.7V
Short Circuit Current (Isc)	7.49A	7.56A	7.64A	7.7A	7.75A
Open Circuit Voltage (Voc)	35.7V	35.9V	36.1V	36.29V	36.3V
NOCT: AM1.5, Irradiance 800W/m <sup>2</sup> , 20°C, Wind speed 1m/s					

### Mechanical Characteristics

### Thermal Characteristics

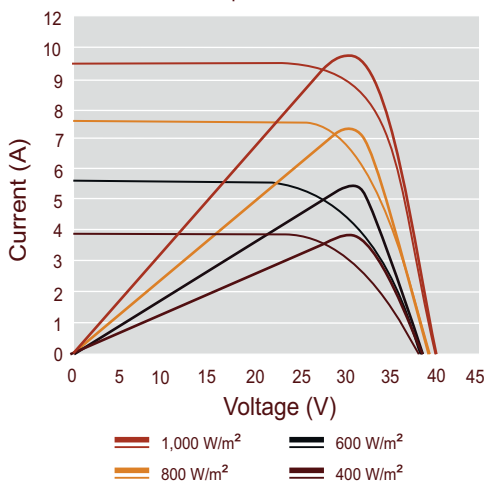
Solar Cell	Polycrystalline 156.75x156.75mm, 60 (6 x 10) pcs in series	Pmax Temperature Coefficient	-0.43±0.05%/K
Glass	High transparency, low iron, tempered glass 3.2 mm	Voc Temperature Coefficient	-0.31±0.1%/K
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.05±0.015%/K
Junction Box	IP67 rated, with 3 bypass diode	NOCT	45±2°C
Cable	4mm <sup>2</sup> (EU) /1000 mm long		
Connector	MC4 Original		
Dimension	1650x990x35 mm		
Weight	18.6 KG		

### Maximum Ratings

### Packing Information

Operating Temperature	-40~85°C	Pieces per pallet	30
Maximum Series Fuse Rating	15A	Pallets per container (40HQ)	28
Maximum System Voltage	Standard 1000V, 1500V on request	Pieces per container (40HQ)	840
Specifications in this datasheet are subject to change without prior notice.		Pallet weight/size	603KG/ 1690*1120*1140mm

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



Irradiance: AM 1.5, 1,000W/m<sup>2</sup> (285W)

