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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Boviet Solar Technology Co., Ltd**

**BVM6610M-305-325**

**BVM6610M-320L**

Also available on the web at

[EnergyPal.com/boviet-solar-technology-co-ltd-solar-panels/bvm6610m-320l](http://EnergyPal.com/boviet-solar-technology-co-ltd-solar-panels/bvm6610m-320l)



60 Cell Mono  
305-325W(5BB)

BVM6610M

0~+5W  
Power Tolerance

19.49%  
Maximum Efficiency

305-325W  
Power Output Range



1664 x 1002 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
- ◆ 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, MCS and CE
- ◆ ISO 9001 for Quality Management Systems
- ◆ ISO 14001 for Environmental Management Systems
- ◆ OHSAS 18001 Occupational Health and Safety System



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

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## Electrical Characteristics STC

	BVM6610M-305L	BVM6610M-310L	BVM6610M-315L	BVM6610M-320L	BVM6610M-325L
Maximum Power (Pmax)	305W	310W	315W	320W	325W
Maximum Power Current (Imp)	9.50A	9.59A	9.68A	9.77A	9.86A
Maximum Power Voltage (Vmp)	32.11V	32.33V	32.55V	32.76V	32.97V
Short Circuit Current (Isc)	9.96A	10.05A	10.14A	10.23A	10.32A
Open Circuit Voltage (Voc)	39.95V	40.17V	40.39V	40.60V	40.71V
Module Efficiency	18.29%	18.59%	18.89%	19.19%	19.49%
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

	BVM6610M-305L	BVM6610M-310L	BVM6610M-315L	BVM6610M-320L	BVM6610M-325L
Maximum Power (Pmax)	225W	229W	233W	237W	241W
Maximum Power Current (Imp)	7.65A	7.73A	7.80A	7.87A	7.94A
Maximum Power Voltage (Vmp)	29.42V	29.63V	29.88V	30.12V	30.36V
Short Circuit Current (Isc)	8.02A	8.10A	8.17A	8.24A	8.32A
Open Circuit Voltage (Voc)	36.61V	36.81V	37.07V	37.32V	37.48V
NOCT: AM1.5, Irradiance 800W/m <sup>2</sup> , 20°C, Wind speed 1m/s					

## Mechanical Characteristics

## Thermal Characteristics

Solar Cell	Monocrystalline 158.75x158.75mm, 60 (6 x 10) pcs in series	Pmax Temperature Coefficient(%/°C)	-0.39
Glass	High transparency, low iron, tempered glass 3.2 mm	Voc Temperature Coefficient(%/°C)	-0.295
Frame	Anodized aluminum alloy	Isc Temperature Coefficient(%/°C)	+0.039
Junction Box	IP67 rated, with 3 bypass diode	NOCT	45±2°C
Output Cable	4mm <sup>2</sup> (EU), 1000 mm long		
Connector	Standard MC4 Compatible, MC4 original on request		
Dimension	1664x1002x35 mm		
Weight	18.9 KG		

## Packing Information

Operating Temperature	-40~85°C	Pieces per pallet	30
Maximum Series Fuse Rating	15/20 A	Pallets per container (40HQ)	28
Maximum System Voltage	Standard 1000V, 1500V on request	Pieces per container (40HQ)	840
		Pallet weight/size	613KG/ 1700*1120*1150mm

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

## I-V Curves

