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Solar Panel Guide Specification Data Sheet

Boviet Solar Technology Co., Ltd

BVM6610M-290-310

BVM6610M-310

Also available on the web at

EnergyPal.com/boviet-solar-technology-co-ltd-solar-panels/bvm6610m-310



60 Cell Mono
290-310W(5BB)

BVM6610M

0~+5W
Power Tolerance

19.1%
Maximum Efficiency

290-310W
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

Silver Frame / White Backsheet



Boviet Solar www.boviet.com

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

Electrical Characteristics STC

	BVM6610M-290	BVM6610M-295	BVM6610M-300	BVM6610M-305	BVM6610M-310
Maximum Power (Pmax)	290W	295W	300W	305W	310W
Maximum Power Current (Imp)	9.07A	9.20A	9.32A	9.42A	9.51A
Maximum Power Voltage (Vmp)	32.0V	32.1V	32.2V	32.4V	32.6V
Short Circuit Current (Isc)	9.65A	9.73A	9.84A	9.94A	10.04A
Open Circuit Voltage (Voc)	39.2V	39.4V	39.5V	39.9V	40.1V
Module Efficiency	17.8%	18.1%	18.4%	18.7%	19.1%
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-290	BVM6610M-295	BVM6610M-300	BVM6610M-305	BVM6610M-310
Maximum Power (Pmax)	212W	216W	219W	223W	227W
Maximum Power Current (Imp)	7.17A	7.25A	7.30A	7.36A	7.42A
Maximum Power Voltage (Vmp)	29.6V	29.8V	30.0V	30.3V	30.6V
Short Circuit Current (Isc)	7.79A	7.86A	7.97A	8.05A	8.13A
Open Circuit Voltage (Voc)	36.1V	36.3V	36.5V	36.9V	37.1V
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		

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.

