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Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes



72 Cell Mono
365-385W(5BB)

BVM6612M

0~+5W
Power Tolerance

19.40%
Maximum Efficiency

365-385W
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, MCS and CE
- ◆ ISO 9001 for Quality Management Systems
- ◆ ISO 14001 for Environmental Management Systems
- ◆ OHSAS 18001 Occupational Health and Safety System

1980 x 1002 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					
	BVM6612M-365L	BVM6612M-370L	BVM6612M-375L	BVM6612M-380L	BVM6612M-385L
Maximum Power (Pmax)	365W	370W	375W	380W	385W
Maximum Power Current (Imp)	9.48A	9.56A	9.64A	9.72A	9.80A
Maximum Power Voltage (Vmp)	38.51V	38.71V	38.91V	39.10V	39.29V
Short Circuit Current (Isc)	9.94A	10.02A	10.10A	10.18A	10.26A
Open Circuit Voltage (Voc)	47.91V	48.11V	48.31V	48.50V	48.69V
Module Efficiency	18.39%	18.64%	18.90%	19.15%	19.40%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m ² , 25°C					

Electrical Characteristics NOCT					
	BVM6612M-365L	BVM6612M-370L	BVM6612M-375L	BVM6612M-380L	BVM6612M-385L
Maximum Power (Pmax)	270W	274W	277W	281W	285W
Maximum Power Current (Imp)	7.64A	7.71A	7.77A	7.83A	7.90A
Maximum Power Voltage (Vmp)	35.35V	35.54V	35.65V	35.89V	36.08V
Short Circuit Current (Isc)	8.01A	8.07A	8.14A	8.20A	8.27A
Open Circuit Voltage (Voc)	43.98V	44.17V	44.26V	44.52V	44.71V
NOCT: AM1.5, Irradiance 800W/m ² , 20°C, Wind speed 1m/s					

Mechanical Characteristics			Thermal Characteristics	
Solar Cell	Monocrystalline 158.75x158.75mm, 60 (6 x 12) pcs in series		Pmax Temperature Coefficient(%/°C)	-0.39
Glass	High transparency, low iron, tempered glass 3.2 mm		Voc Temperature Coefficien(%/°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 ² (EU), 1000 mm long			
Connector	Standard MC4 Compatible , MC4 original on request			
Dimension	1980x1002x40 mm			
Weight	22.7 KG			

Packing Information			
Operating Temperature	-40~85°C	Pieces per pallet	26
Maximum Series Fuse Rating	15/20 A	Pallets per container (40HQ)	22
Maximum System Voltage	Standard 1000V, 1500V on request	Pieces per container (40HQ)	572
Specifications in this datasheet are subject to change without prior notice.		Pallet weight/size	640KG/ 1980*1120*1150mm

I-V Curves

