



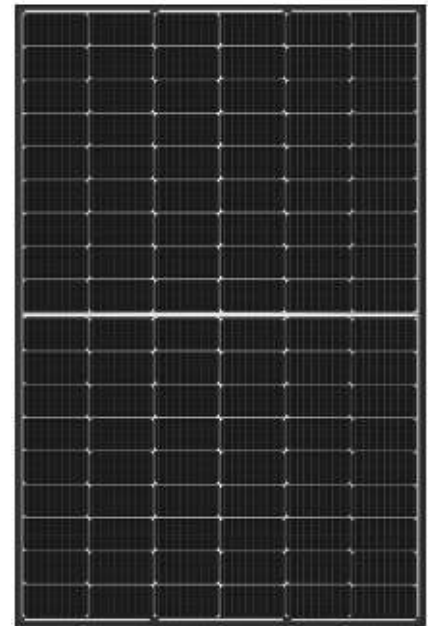
108 Cell Mono
400-420W

BVM7609M-H-HC

0~+5W
Power Tolerance

21.50%
Maximum Efficiency

400-420W
Power Output Range



1722 x 1134 x 30 mm

Black 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
- ◆ 0-+5 W guaranteed positive tolerance
- ◆ Rugged design for long-term durability; passed extended reliability tests



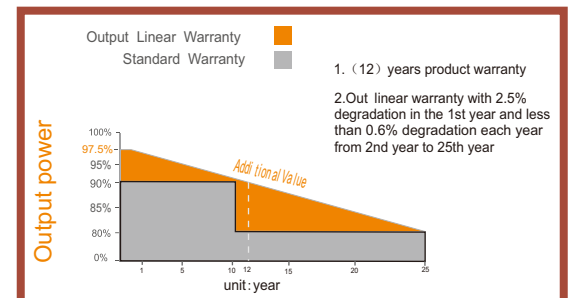
Warranty

- ◆ 12-year product warranty
- ◆ 25-year linear power output warranty



Comprehensive Certificates for Products and Management

- ◆ IEC 61215, IEC 61730, and CE
- ◆ ISO 9001 for Quality Management Systems
- ◆ ISO 14001 for Environmental Management Systems
- ◆ ISO 45001 Occupational Health and Safety System



Boviet Solar www.bovietsolar.com

B5-B6, Song Khe-Noi Hoang Industrial Zone, Bac Giang Province, 220000, Vietnam

Electrical Characteristics STC

BVM7609M-XXX-H-HC	400	405	410	415	420
Maximum Power (Pmax)	400W	405W	410W	415W	420W
Maximum Power Current (Imp)	12.89A	12.97A	13.05A	13.13A	13.21A
Maximum Power Voltage (Vmp)	31.05V	31.24V	31.43V	31.64V	31.81V
Short Circuit Current (Isc)	13.78A	13.86A	13.94A	14.02A	14.09A
Open Circuit Voltage (Voc)	37.00V	37.25V	37.50V	37.75V	38.00V
Module Efficiency	20.50%	20.70%	21.00%	21.30%	21.50%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W

STC: AM1.5, Irradiance 1000W/m², 25°C

Electrical Characteristics NOCT

BVM7609M-XXX-H-HC	400	405	410	415	420
Maximum Power (Pmax)	298W	301W	305W	309W	312W
Maximum Power Current (Imp)	10.25A	10.32A	10.38A	10.44A	10.51A
Maximum Power Voltage (Vmp)	29.02V	29.20V	29.37V	29.57V	29.73V
Short Circuit Current (Isc)	11.11A	11.18A	11.24A	11.31A	11.36A
Open Circuit Voltage (Voc)	34.81V	35.04V	35.28V	35.51V	35.75V

NOCT: AM1.5, Irradiance 800W/m², 20°C, Wind speed 1m/s

Mechanical Characteristics

Thermal Characteristics

Solar Cell	Mono-crystalline 182x91mm, 108pcs in series[2x(9x6)]	Pmax Temperature Coefficient	-0.36%/°C
Glass	High transparency, low iron, tempered glass 3.2 mm	Voc Temperature Coefficient	-0.26%/°C
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.043%/°C
Junction Box	IP68 rated, with 3 bypass diode	NOCT	45±2°C
Output Cable	4mm ² /1100mm		
Connector	MC4 Compatible		
Dimension	1722x1134x30 mm		
Weight	20.8 kg		

Packing Information

Operating Temperature	-40~+85°C	Pieces per pallet	36
Maximum Series Fuse Rating	25 A	Pallets per container (40HQ)	26
Maximum System Voltage	1500V/DC(IEC)	Pieces per container (40HQ)	936

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

I-V Curves

