



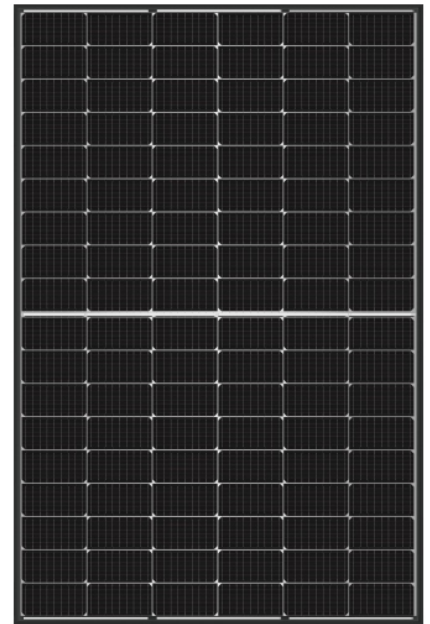
108 Cell Mono
395-415W

BVM7609M-H-HC

0~+5W
Power Tolerance

21.19%
Maximum Efficiency

395-415W
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



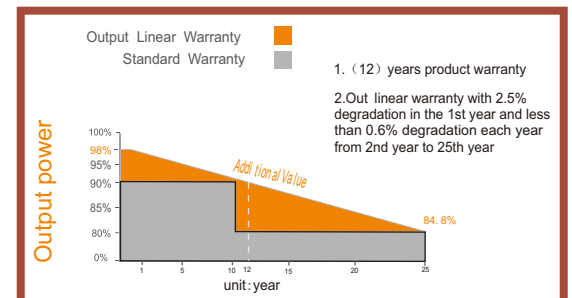
Warranty

- ◆ 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	395	400	405	410	415
Maximum Power (Pmax)	395W	400W	405W	410W	415W
Maximum Power Current (Imp)	12.77A	12.86A	12.96A	13.05A	13.14A
Maximum Power Voltage (Vmp)	30.92V	31.09V	31.26V	31.43V	31.60V
Short Circuit Current (Isc)	13.52A	13.65A	13.76A	13.88A	14.00A
Open Circuit Voltage (Voc)	36.80V	37.00V	37.20V	37.40V	37.60V
Module Efficiency	20.41%	20.67%	20.93%	21.19%	21.45%
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	395	400	405	410	415
Maximum Power (Pmax)	295.2W	298.9W	302.7W	306.4W	310.1W
Maximum Power Current (Imp)	10.24A	10.32A	10.39A	10.46A	10.53A
Maximum Power Voltage (Vmp)	28.82V	28.98V	29.13V	29.29V	29.45V
Short Circuit Current (Isc)	10.97A	11.07A	11.17A	11.26A	11.36A
Open Circuit Voltage (Voc)	34.78V	34.97V	35.15V	35.34V	35.52V

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

Mechanical Characteristics

Thermal Characteristics

Solar Cell	108[2x(9x6)]	Pmax Temperature Coefficient	-0.35%/°C
Glass	High transparency, tempered glass 3.2 mm	Voc Temperature Coefficient	-0.27%/°C
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.045%/°C
Junction Box	IP68 rated, with 3 bypass diode	NOCT	41±2°C
Output Cable	4mm ²		
Connector	MC4 Compatible		
Dimension	1722x1134x30 mm		
Weight	21.5 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.

