



78 Cell Mono
455-480W

BVM455/480LM-432H

0~+5W
Power Tolerance

20.9%
Maximum Efficiency

455-480W
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
- ◆ High salt and ammonia resistance certified by TUV
- ◆ 0~+5 W guaranteed positive tolerance
- ◆ Rugged design for long-term durability; passed extended reliability tests Silver Frame / White Backsheet



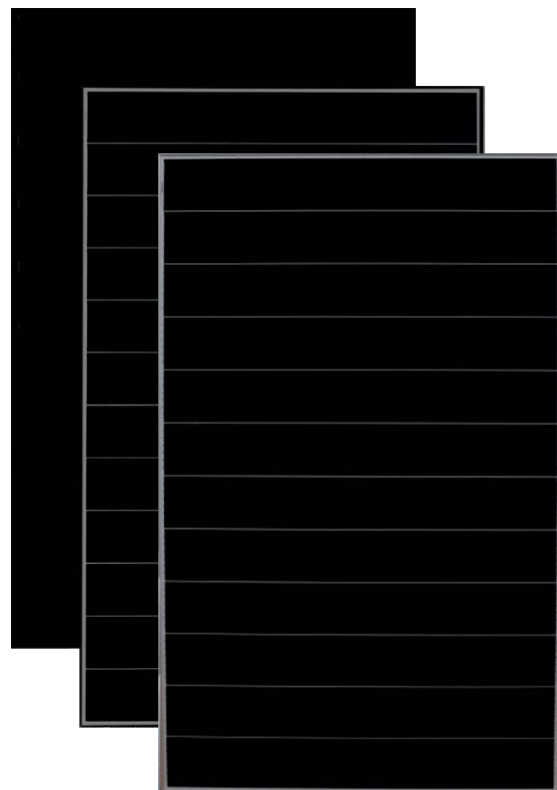
Warranty

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

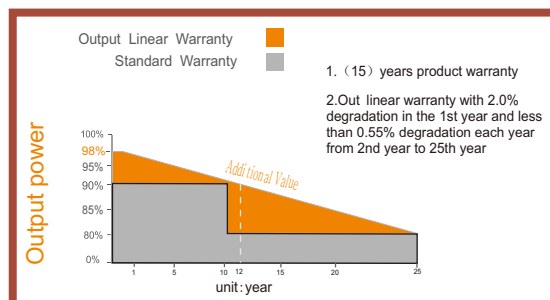


Comprehensive Certificates for Products and Management

- ◆ IEC 61215, IEC 61730, CEC listed, MCS and CE
- ◆ ISO 9001 for Quality Management Systems
- ◆ ISO 14001 for Environmental Management Systems
- ◆ OHSAS 18001 Occupational Health and Safety System



1969 x 1140 x 35 mm



Boviet Solar www.boviet.com

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

Electrical Characteristics STC						
BVMXXXLM-432H	455W	460W	465W	470W	475W	480W
Maximum Power (Pmax)	455W	460W	465W	470W	475W	480W
Maximum Power Current (Imp)	11.23A	11.30A	11.37A	11.49A	11.59A	11.68A
Maximum Power Voltage (Vmp)	40.5V	40.7V	40.9V	40.9V	41.0V	41.1V
Short Circuit Current (Isc)	11.95A	11.99A	12.03A	12.07A	12.12A	12.17A
Open Circuit Voltage (Voc)	49.0V	49.2V	49.4V	49.4V	49.5V	49.6V
Module Efficiency	20.27%	20.49%	20.72%	20.94%	21.16%	21.38%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m², 25°C						

Electrical Characteristics NOCT						
BVMXXXLM-432H	455W	460W	465W	470W	475W	480W
Maximum Power (Pmax)	343W	346W	350W	354W	358W	361W
Maximum Power Current (Imp)	8.87A	8.93A	8.98A	9.08A	9.15A	9.22A
Maximum Power Voltage (Vmp)	38.6V	38.8V	39.0V	39.0V	39.1V	39.2V
Short Circuit Current (Isc)	9.63A	9.66A	9.69A	9.72A	9.76A	9.80A
Open Circuit Voltage (Voc)	46.7V	46.9V	47.1V	47.1V	47.2V	47.3V
NOCT: AM1.5, Irradiance 800W/m², 20°C, Wind speed 1m/s						

Mechanical Characteristics		Thermal Characteristics	
Solar Cell	PERC Mono-crystalline silicon solar cells (158.75x158.75mm)	Pmax Temperature Coefficient	-0.34%/°C
Glass	White toughened safety glass, 3.2 mm	Voc Temperature Coefficient	-0.27%/°C
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.04%/°C
Junction Box	Ip68 rated, with 2 bypass diode	NOCT	42.3±2°C
Output Cable	4 mm² (EU)/ 1200 mm long		
Connector	Mc4 Compatible		
Dimension	1969x1140x35 mm		
Weight	24 KG		

Maximum Ratings		Packing Information	
Operating Temperature	-40~85°C	Pieces per pallet	31
Maximum Series Fuse Rating	20A	Pallets per container (40HQ)	22
Maximum System Voltage	1000/1500V DC	Pieces per container (40HQ)	682
Specifications in this datasheet are subject to change without prior notice.		Pallet weight/size	744KG/ 2003x1190x1300 mm

I-V Curver

