



120 Cell Mono  
310-330W(5BB)

BVM3620M(L)  
(Half-cell)

0~+5W  
Power Tolerance

19.55%  
Maximum Efficiency

310-330W  
Power Output Range



1684 x 1002 x 35 mm

Silver 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
- ◆ 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

- ◆ 10-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



Boviet Solar [www.boviet.com](http://www.boviet.com)

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## Electrical Characteristics STC

|  | BVM3620M-310L | BVM3620M-315L | BVM3620M-320L | BVM3620M-325L | BVM3620M-330L |
|--|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax)                               | 310W          | 315W          | 320W          | 325W          | 330W          |
| Maximum Power Current (Imp)                        | 9.52A         | 9.61A         | 9.70A         | 9.79A         | 9.88A         |
| Maximum Power Voltage (Vmp)                        | 32.57V        | 32.78V        | 32.99V        | 33.20V        | 33.41V        |
| Short Circuit Current (Isc)                        | 9.99A         | 10.08A        | 10.17A        | 10.26A        | 10.35A        |
| Open Circuit Voltage (Voc)                         | 40.20V        | 40.42V        | 40.63V        | 40.74V        | 40.94V        |
| Module Efficiency                                  | 18.37%        | 18.66%        | 18.94%        | 19.26%        | 19.55%        |
| Power Tolerance                                    | 0~+5W         | 0~+5W         | 0~+5W         | 0~+5W         | 0~+5W         |
| STC: AM1.5, Irradiance 1000W/m <sup>2</sup> , 25°C |               |               |               |               |               |

## Electrical Characteristics NOCT

|   | BVM3620M-310L | BVM3620M-315L | BVM3620M-320L | BVM3620M-325L | BVM3620M-330L |
|---|---------------|---------------|---------------|---------------|---------------|
| Maximum Power (Pmax)  | 229W          | 233W          | 237W          | 241W          | 245W          |
| Maximum Power Current (Imp)   | 7.67A         | 7.74A         | 7.82A         | 7.89A         | 7.96A         |
| Maximum Power Voltage (Vmp)   | 29.86V        | 30.11V        | 30.31V        | 30.55V        | 30.78V        |
| Short Circuit Current (Isc)   | 8.05A         | 8.12A         | 8.19A         | 8.27A         | 8.34A         |
| Open Circuit Voltage (Voc)  | 36.86V        | 37.13V        | 37.33V        | 37.49V        | 37.72V        |
| NOCT: AM1.5, Irradiance 800W/m <sup>2</sup> , 20°C, Wind speed 1m/s |               |               |               |               |               |

## Mechanical Characteristics

|              |   |
|--------------|---|
| Solar Cell   | Monocrystalline 158.75x79.375mm, 120 (6 x 20) pcs in series |
| Glass        | High transparency, low iron, tempered glass 3.2 mm          |
| Frame        | Anodized aluminum alloy                                     |
| Junction Box | IP67 rated, with 3 bypass diode                             |
| Cable        | 4mm <sup>2</sup> (EU)/1000 mm long                          |
| Connector    | MC4 Original  |
| Dimension    | 1684x1002x35 mm   |
| Weight       | 19.2 KG   |

## Thermal Characteristics

|                                    |        |
|------------------------------------|--------|
| Pmax Temperature Coefficient(%/°C) | -0.39  |
| Voc Temperature Coefficient(%/°C)  | -0.295 |
| Isc Temperature Coefficient(%/°C)  | +0.039 |
| NOCT                               | 45±2°C |

## Packing Information

|                            |                                  |                              |                         |
|----------------------------|----------------------------------|------------------------------|-------------------------|
| Operating Temperature      | -40~85°C                         | Pieces per pallet            | 30                      |
| Maximum Series Fuse Rating | 15/20 A                          | Pallets per container (40HQ) | 26                      |
| Maximum System Voltage     | Standard 1000V, 1500V on request | Pieces per container (40HQ)  | 780                     |
|                            |                                  | Pallet weight/size           | 622KG/ 1720*1120*1150mm |

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

## I-V Curves

