



60 Cell Mono  
295-315W(5BB)

BVM6610M(L)  
(Super Black)

0~+5W  
Power Tolerance

18.89%  
Maximum Efficiency

295-315W  
Power Output Range



1664 x 1002 x 35 mm

Black Frame / Black 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

- ◆ 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



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

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| Electrical Characteristics STC                     |               |               |               |               |               |
|----------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                                    | BVM6610M-295L | BVM6610M-300L | BVM6610M-305L | BVM6610M-310L | BVM6610M-315L |
| Maximum Power (Pmax)                               | 295W          | 300W          | 305W          | 310W          | 315W          |
| Maximum Power Current (Imp)                        | 9.39A         | 9.48A         | 9.57A         | 9.66A         | 9.75A         |
| Maximum Power Voltage (Vmp)                        | 31.42V        | 31.65V        | 31.88V        | 32.10V        | 32.31V        |
| Short Circuit Current (Isc)                        | 9.83A         | 9.92A         | 10.01A        | 10.10A        | 10.19A        |
| Open Circuit Voltage (Voc)                         | 39.25V        | 39.48V        | 39.71V        | 39.93V        | 40.14V        |
| Module Efficiency                                  | 17.69%        | 17.99%        | 18.29%        | 18.59%        | 18.89%        |
| 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                                     |               |               |               |               |               |
|---------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
|                                                                     | BVM6610M-295L | BVM6610M-300L | BVM6610M-305L | BVM6610M-310L | BVM6610M-315L |
| Maximum Power (Pmax)                                                | 218W          | 222W          | 226W          | 230W          | 233W          |
| Maximum Power Current (Imp)                                         | 7.57A         | 7.64A         | 7.71A         | 7.79A         | 7.86A         |
| Maximum Power Voltage (Vmp)                                         | 28.80V        | 29.06V        | 29.32V        | 29.53V        | 29.65V        |
| Short Circuit Current (Isc)                                         | 7.92A         | 8.00A         | 8.07A         | 8.14A         | 8.21A         |
| Open Circuit Voltage (Voc)                                          | 35.98V        | 36.25V        | 36.52V        | 36.73V        | 36.84V        |
| NOCT: AM1.5, Irradiance 800W/m <sup>2</sup> , 20°C, Wind speed 1m/s |               |               |               |               |               |

| Mechanical Characteristics |                                                            |  | Thermal Characteristics            |        |
|----------------------------|------------------------------------------------------------|--|------------------------------------|--------|
| Solar Cell                 | Monocrystalline 158.75x158.75mm, 60 (6 x 10) 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                      | Black Frame/Black backsheet                                |  | Isc Temperature Coefficient (%/°C) | +0.039 |
| Junction Box               | Ip67 rated, with 3 bypass diode                            |  | NOCT                               | 45±2°C |
| Cable                      | 4mm <sup>2</sup> (EU)/1000 mm long                         |  |                                    |        |
| Connector                  | MC4 Original                                               |  |                                    |        |
| Dimension                  | 1664x1002x35 mm                                            |  |                                    |        |
| Weight                     | 18.9 KG                                                    |  |                                    |        |

| Packing Information                                                          |                                  |                              |                         |
|------------------------------------------------------------------------------|----------------------------------|------------------------------|-------------------------|
| Operating Temperature                                                        | -40~85°C                         | Pieces per pallet            | 30                      |
| Maximum Series Fuse Rating                                                   | 15/20 A                          | Pallets per container (40HQ) | 28                      |
| Maximum System Voltage                                                       | Standard 1000V, 1500V on request | Pieces per container (40HQ)  | 840                     |
| Specifications in this datasheet are subject to change without prior notice. |                                  | Pallet weight/size           | 613KG/ 1700*1120*1150mm |

I-V Curves

