

Mono Solar Module

Power Range 240W-270W



High Module Conversion Efficiencies



Easy Installaton and Handling for Various Applicatons



Mechanical Load Capability of up to 5400 Pa



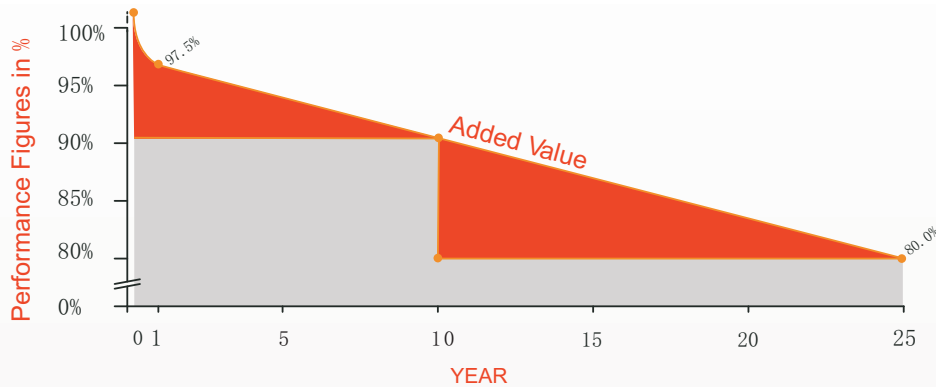
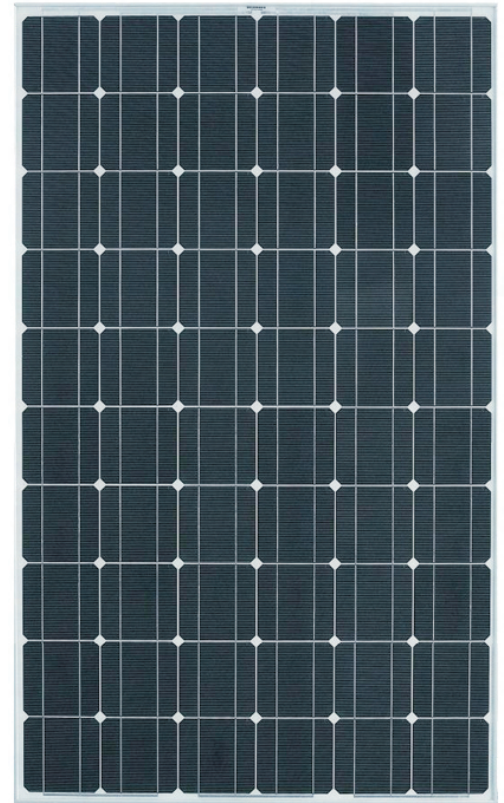
**Conforms with IEC 61215:2005,
IEC 61730: 2004, UL 1703 PV Standards**



ISO9001, OHSAS18001, ISO14001 Certificated



Applicaton Class A, Safety Class II, Fire Rating C



10-year

material & workmanship

25-year

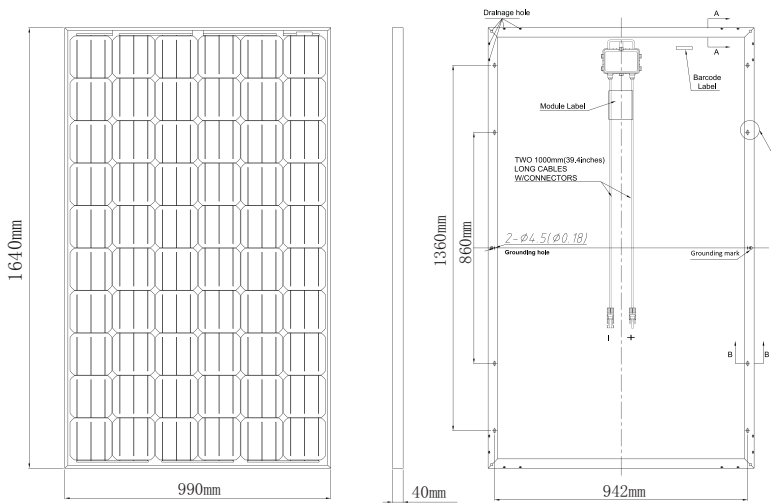
linear power output



APPROVED PRODUCT



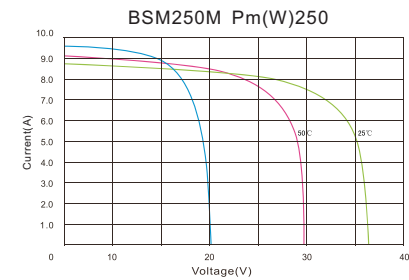
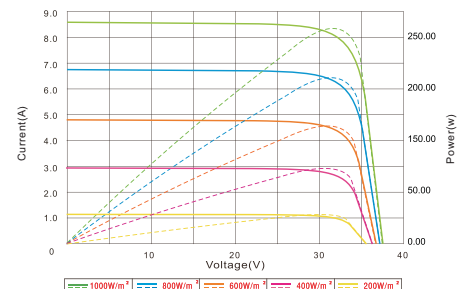
Dimensions



Drawing only for reference

I-V Curves

Output under different radiation and temperature conditions
Electrical performance (Cell Temperature : 25°C)



Electrical Characteristics STC

| | BSM240M-60 | BSM245M-60 | BSM250M-60 | BSM255M-60 |
|-----------------------------|------------|------------|------------|------------|
| Maximum Power (Pmax) | 240W | 245W | 250W | 255W |
| Power Tolerance | 0~+5W | 0~+5W | 0~+5W | 0~+5W |
| Module Efficiency | 14.63% | 14.98% | 15.29% | 15.59% |
| Maximum Power Current (Imp) | 8.04A | 8.14A | 8.24A | 8.31A |
| Maximum Power Voltage (Vmp) | 29.96V | 30.10V | 30.35V | 30.62V |
| Short Circuit Current (Isc) | 8.51A | 8.59A | 8.66A | 8.72A |
| Open Circuit Voltage (Voc) | 37.42V | 37.62V | 37.88V | 38.10V |

Values at Standard Test Conditions STC (Air Mass AM 1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics STC

| | BSM260M-60 | BSM265M-60 | BSM270M-60 |
|-----------------------------|------------|------------|------------|
| Maximum Power (Pmax) | 260W | 265W | 270W |
| Power Tolerance | 0~+5W | 0~+5W | 0~+5W |
| Module Efficiency | 15.90% | 16.21% | 16.51% |
| Maximum Power Current (Imp) | 8.39A | 8.48A | 8.56A |
| Maximum Power Voltage (Vmp) | 30.98V | 31.24V | 31.54V |
| Short Circuit Current (Isc) | 8.76A | 8.80A | 8.82A |
| Open Circuit Voltage (Voc) | 38.24V | 38.38V | 38.62V |

Values at Standard Test Conditions STC (Air Mass AM 1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Mechanical Characteristics

| | |
|----------------------------|---|
| Cell Type | Monocrystalline 156x156mm, 60(6x10) pcs in series |
| Glass | High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP65/IP67 rated, with bypass diodes |
| Dimension | 1640 x 990 x 40 mm |
| Output Cable | 4mm ² (EU) / 12 AWG (US), 1000 mm |
| Weight | 19Kg |
| Installation Hole Location | See Drawing Above |
| No. of Bypass Diodes | 3/6 |

Characteristics

| | |
|---|------------|
| Temperature Coefficient of Voc | -0.30% /°C |
| Temperature Coefficient of Isc | 0.04% /°C |
| Temperature Coefficient of Pmax | -0.40% /°C |
| Nominal Operating Cell Temperature (NOCT) | 45°C ± 2°C |

Packing Information

| | 20' GP | 40' GP | 40' HQ |
|-----------------------|--------|--------|--------|
| Container | | | |
| Pallets per Container | 12 | 28 | 28 |
| Pieces per Container | 300 | 700 | 770 |

CAUTION: All rights reserved. Design and specification subject to change without prior notice.

Maximum Ratings

| | |
|----------------------------|----------------------------|
| Operating Temperature | -40°C ~ +85°C |
| Maximum System Voltage | 1000VDC (EU) / 600VDC (US) |
| Maximum Series Fuse Rating | 20A (EU) / 20A (US) |