

**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**



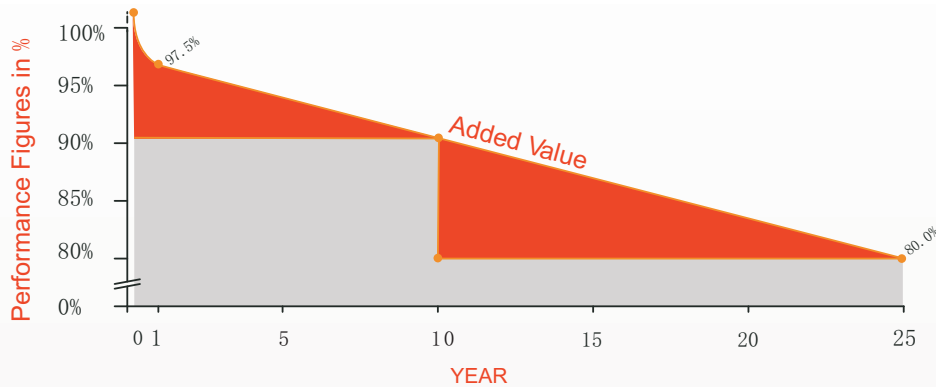
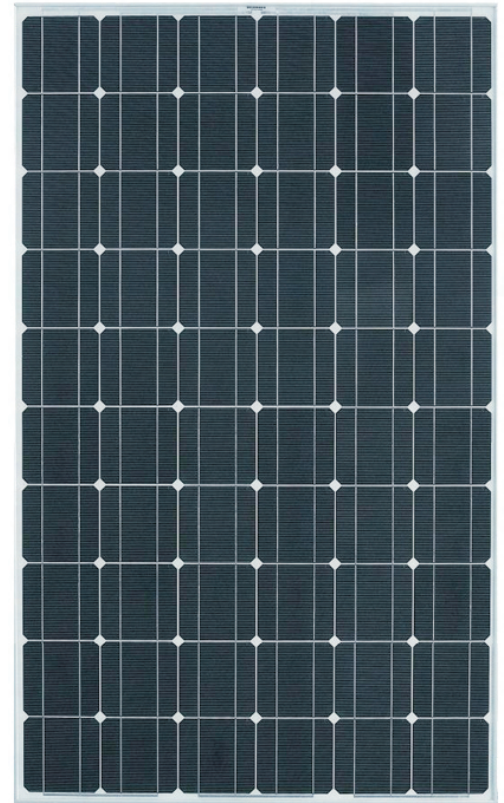
**Conforms with IEC 61215: 2005,  
IEC 61730: 2004, UL 1703 PV Standards**



**ISO9001, OHSAS18001, ISO14001 Certificated**



**Applicaton Class A, Safety Class II, Fire Rating C**

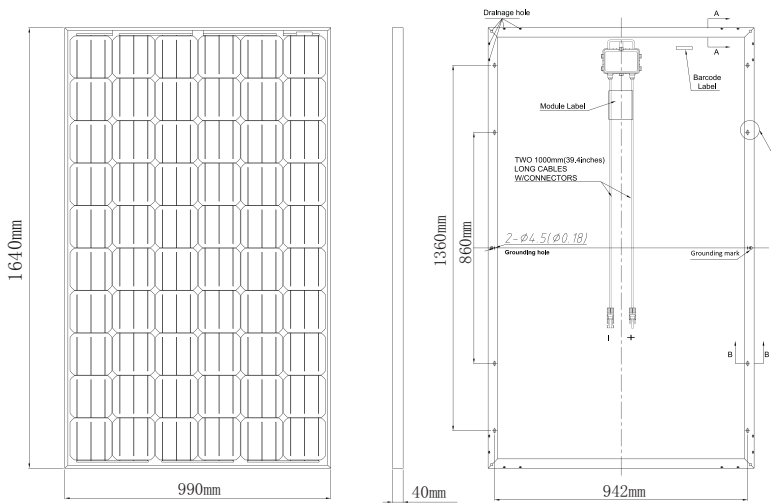


**10-year**  
material & workmanship

**25-year**  
linear power output



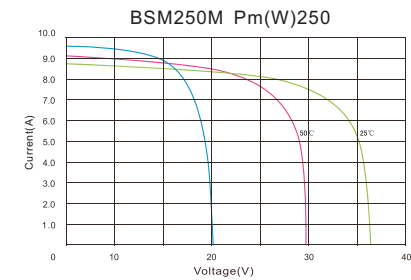
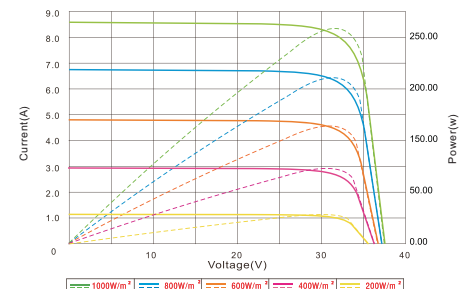
### Dimensions



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/m<sup>2</sup>, 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/m<sup>2</sup>, 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 <sup>2</sup> (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)