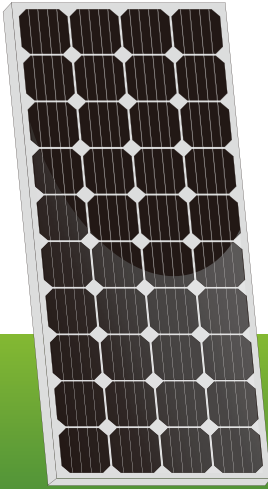
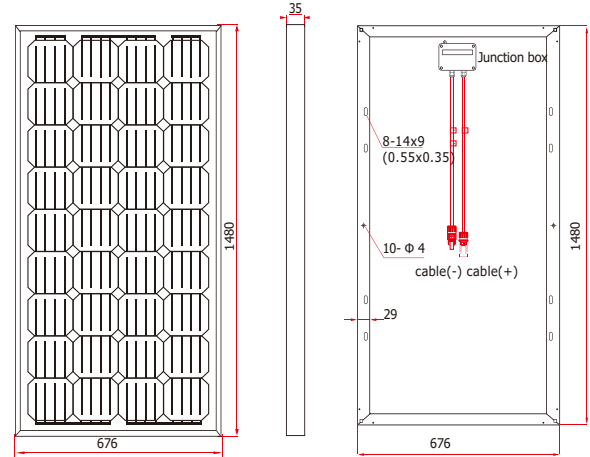


# MONOCRYSTALLINE MODULE 150W - 185W



SOLAR MODULE:  
BSM-150M, BSM-160M, BSM-170M, BSM-185M

## PHYSICAL CHARACTERISTICS Unit: mm



## ELECTRICAL SPECIFICATIONS

Model Type	BSM-150M	BSM-160M	BSM-170M	BSM-185M
Nominal Maximum Power (P <sub>max</sub> )	150W	160W	170W	185W
Optimum Operating Voltage (V <sub>mp</sub> )	17.85V	18.08V	18.12V	19.48V
Optimum Operating Current (I <sub>mp</sub> )	8.41A	8.85A	9.38A	9.49A
Open Circuit Voltage (V <sub>oc</sub> )	21.96V	22.11V	22.46V	22.68V
Short Circuit Current (I <sub>sc</sub> )	8.61A	9.05A	9.70A	10.16A
Module Efficiency	15.00%	16.00%	17.00%	18.00%
Cell Efficiency	17.45%	18.61%	18.80%	20.00%
Power Tolerance		0 to +3%		
Maximum System Voltage		DC 1000V		
Operating Temperature		-40°C ~ +85°C		
Maximum Series Fuse Rating		15A		
Number of Bypass Diode		2		

## MECHANICAL DATA

Cell Type	156mm x 156mm
Cell Arrangement	36 cells in series
Dimensions	1480 x 676 x 30 mm
Weight	11.18kg
Front Cover	3.2mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65, 2 diodes
Cable	2.5mm (IEC) / 12AWG (UL), 900mm (650mm is optional)
Connectors	MC4 or MC4 compatible

## TEMPERATURE CHARACTERISTICS

Temperature Coefficient (P <sub>max</sub> )	-0.420% / °C
Temperature Coefficient (V <sub>oc</sub> )	-0.346% / °C
Temperature Coefficient (I <sub>sc</sub> )	0.065% / °C
Normal Operating Cell Temperature	45.3 ± 2 °C

## ELECTRICAL CHARACTERISTICS

### (BSM-185)

