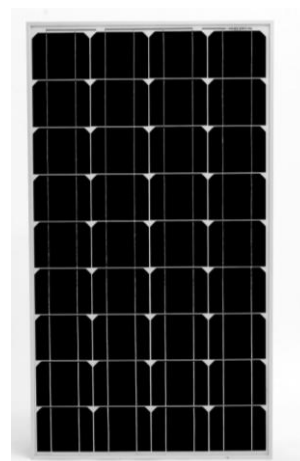


Specifications

CELL	Monocrystalline silicon solar cell 156mmx104 mm
No. of cells and connections	36 (4x9)
Dimension of module	1000x680x35(mm)
Weight	8.6kg



Characteristics

Model	BSM100M-6
Power at STC(Pm)	100W
Maximum power voltage(Vpm)	18.30V
Maximum power current(Ipm)	5.47A
Open circuit voltage(Voc)	22.30V
Short circuit current(Isc)	6.08A
Tolerance	±3%
Module efficiency	15.1%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Cable	4mm ² solar cable with MC4 connector
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Features:

CE, TUV ,ISO9001 approved

Strong Aluminum Frame

Tempered glass coating

5 year structural warranty

25yr 80% efficiency warranty

Recommended Applications:

1. Off-grid PV systems for home, Motor home Camping, RV, Boat, Marine, Yacht, etc
2. Solar power stations
3. Power supply for traffic, security, gas industry
4. 12V and 24V battery charging system
5. Other industrial and commercial applications

