

RIGID 160W Mono Solar Panel

Specifications

CELL	156 mm Monocrystalline solar cell
No. of cells and connections	36 (4x9)
Dimension of module	1480*680*35mm
Weight	12kg

Characteristics

Model	BSM160M
Power at STC(Pm)	160W
Maximum power voltage(Vpm)	18.5V
Maximum power current(Ipm)	8.64A
Open circuit voltage(Voc)	22.4 V
Short circuit current(Isc)	9.36A
Tolerance	±3%
STC: Temperature 25°C, Irradiance 1000W/m ² , AM=1.5	

Limits

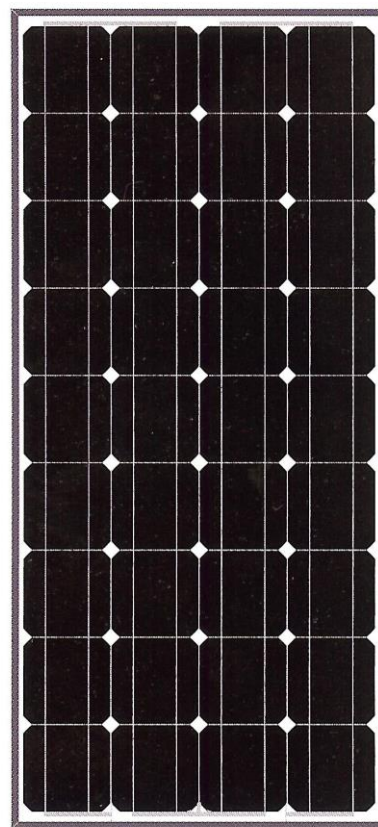
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

Front Glass	3.2mm tempered
Junction Box	IP-65 rated with 1 meter cable
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:

Designed for RVs, cabins, homes, boats, back-up and remote power use, and more
CE, approved

Applied to TUV,UL standard

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