



50Watt

Poly-Crystalline Module

Quality and Safety

- ⚡ Rigorous quality control meeting the highest international standards
- ⚡ High-transmissivity low-iron tempered glass, strong aluminum frame
Using UV-resistant silicon
- ⚡ ISO 9001:2000 and ISO 14001:2004
- ⚡ IEC61215, Safety Class Inconformity to CE

Features

- ⚡ Aesthetic appearance with excellent efficiency based on innovative Photovoltaic technologies
- ⚡ Strong frame, passing mechanical load test of 5400Pa, instead of the Normal 2400Pa, to withstand heavier snow load and higher Wind-pressure

Warranties

- ⚡ 10 years limited product warranty
- ⚡ 15 years at 90% of the minimal rated power output
- ⚡ 25 years at 80% of the minimal rated power output



High efficiency solar cell are made by famous brand



Unique design on drainage holes and rigid construction prevents frame from deforming or breaking due to freezing weather and other forces, 90 degree without screw



High-quality, service-friendly connector box

Certificates



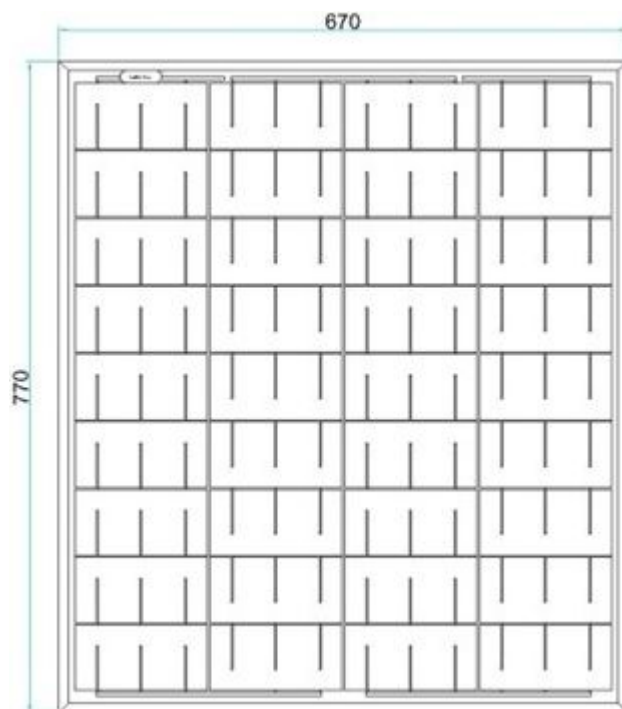
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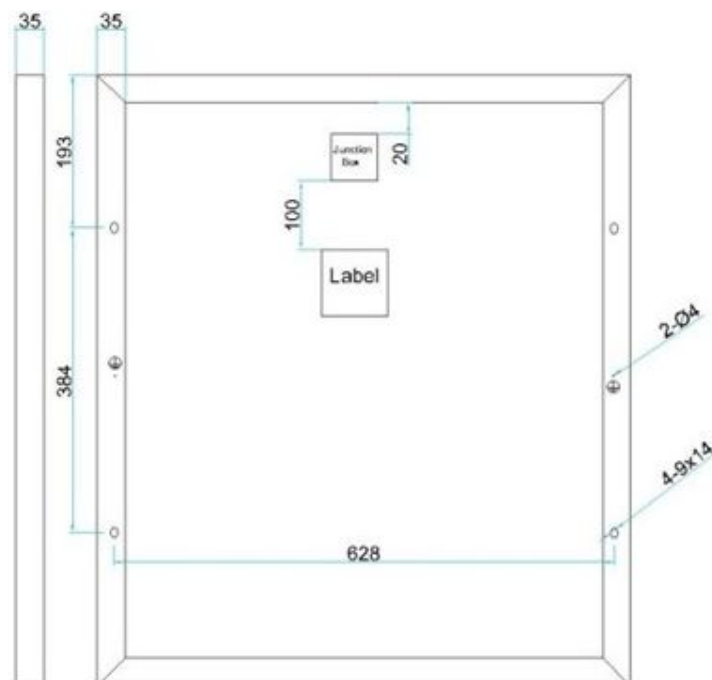
Electrical Characteristics

Model	BSM50P
Maximum Power at STC (P _{max})	50W
Optimum Operating Voltage (V _{mp})	17.6V
Optimum Operating Current (I _{mp})	2.841A
Open-Circuit Voltage (V _{oc})	22.2V
Short-Circuit Current (I _{sc})	3.043A
Solar Cell Efficiency (%)	15.5
Solar Module Efficiency (%)	12.28
Operating Temperature	-40 to 85°C
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	0~3%
STC:Irradiance 1000W/m ² , Modules Temperature 25°C, AM=1.5	



Mechanical Characteristics

Solar cell	Poly-Crystalline 156
No. of cells	36 (4×9)
Dimensions	770mm*670mm*35mm
Weight	4.7kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction box	PV junction box
Connector	Plug and socket



Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	47°C +/- 2°C
Temperature Coefficient of P _{max}	-0.47%/K
Temperature Coefficient of V _{OC}	-0.346%/K
Temperature Coefficient of I _{SC}	+0.036%/K