

90 Watt Monocrystalline Photovoltaic Module

Made with high efficiency back-contact solar cells

Jiawei's 90watt monocrystalline module has multiple advantages. These solar modules are made with back-contact monocrystalline solar cells which are aesthetically pleasing in appearance. The cells have a unique structure, different from conventional cells, they yield average conversion efficiencies up to 20%.

Jiawei uses the highest quality materials in the manufacture of our solar modules. Jiawei has excellent quality control and has qualified our factory to ISO 9001 standards for manufacturing.



Features

- Photovoltaic modules made with unique back-contact cells.
- Cells with high conversion efficiency up to 20%.
- Due to higher efficiency the modules are smaller in size than modules made with conventional cells.
- Black modules are available on special request.
- Jiawei modules are made with high quality materials which qualifies the high reliability of the module.
- Designed to charge 12 to 48 volt batteries for off-grid remote power systems.
- Manufactured in ISO9001 certified factory.

Limited Warranty

10 years limited power warranty of 90% of the minimum specified power rating, please refer to warranty details issued by Jiawei or on website: www.solarchina.com.hk

Applications

- Telecommunication
- Water pumping for various agriculture and aquaculture applications
- Cathodic protection
- Lighting systems for emergency use and railroad
- Desalination systems
- Electricity for remote villages
- Security cameras
- Remote sensors
- Telemetry equipment

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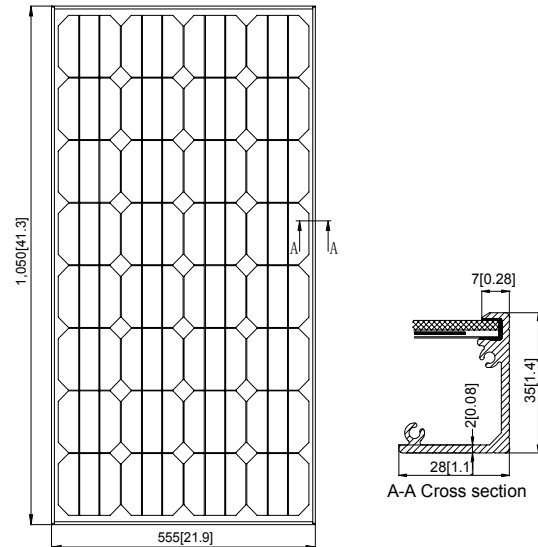
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Electrical Characteristics

Model Number: JW-S90

Max Power	Pmax	90W
Max Power Voltage	Vmp	17.0V
Max Power Current	Imp	5.30A
Open Circuit Voltage	Voc	20.40V
Short Circuit Current	Isc	5.92A
Maximum System Voltage		70V
Series Fuse Rating		9A
Temperature Co-efficients		
	Power	-0.38%/°C
	Voltage	-58.7mV/°C
	Current	5.3mA/°C
Cell Efficiency		19.70%
Number of Cells in Series		32
Number of Strings in Parallel		3
Max Power Tolerance		+/-5%

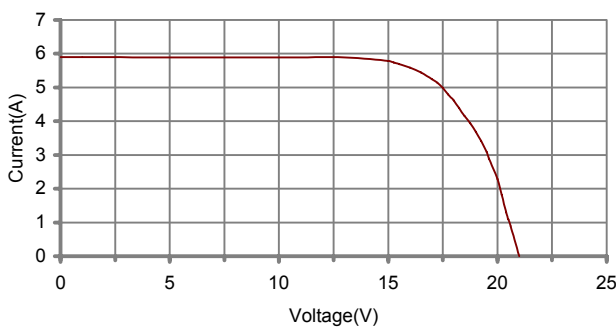
Dimensions Unit: mm [in]



Mechanical Characteristics

Weight	8.0kg, 17.6lbs
Dimension	1050 x 555mm [41.3x21.9in]
Thickness, including junction box	35mm [1.38in]
Frame	>15µm clear anodized

IV Curve

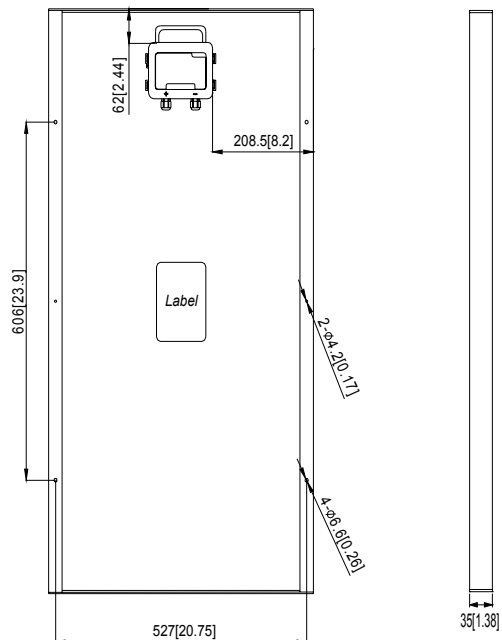


Note: All electrical parameters are rated at standard test conditions (irradiance of 1000W/m², AM 1.5G, cell temperature 77°F/25°C)

CAUTION:

Read installation instructions before using the product. Go to www.solarchina.com.hk for details.

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