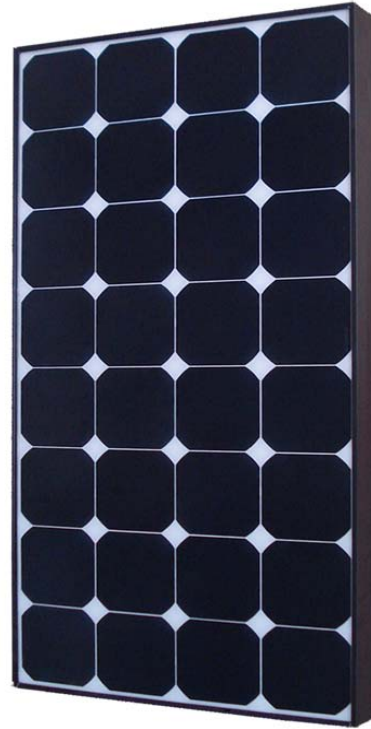


95 Watt Monocrystalline Photovoltaic Module

Made with high efficiency back-contact solar cells

Reliagen's 95 watt 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%.

Using only the highest quality materials in the manufacture of these solar modules and excellent quality control, the manufacturer has qualified their 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.
- Reliagen 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

25 years limited power warranty of 80% of the minimum specified power rating.
warranty details on website: www.reliagen.com

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

95 Watt Monocrystalline Photovoltaic Module

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Electrical Characteristics

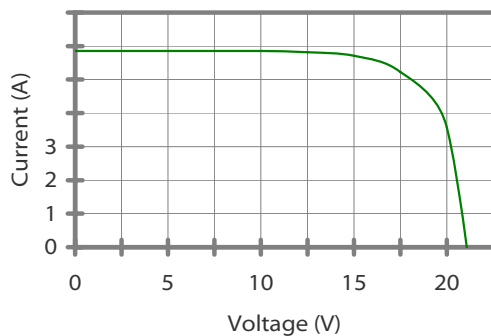
Model Number: ST95-12/BC

Max Power	Pmax	95W
Max Power Voltage	Vmp	17.5V
Max Power Current	Imp	5.45A
Open Circuit Voltage	Voc	21.2V
Short Circuit Current	Isc	5.85A
Maximum System Voltage		70V
Series Fuse Rating		15A
Temperature Co-efficients		
	Power	-0.38%/°C
	Voltage	-60.8mV/°C
	Current	2.3mA/°C
Cell Efficiency		20.68%
Number of Cells in Series		32
Number of Strings in Parallel		1
Max Power Tolerance		+/-5%

Mechanical Characteristics

Weight	7.4kg
Dimensions	1037mm x 527mm 40.82" x 20.75"
Thickness, including junction box	54mm 2.12"
Frame	>10µm black anodized

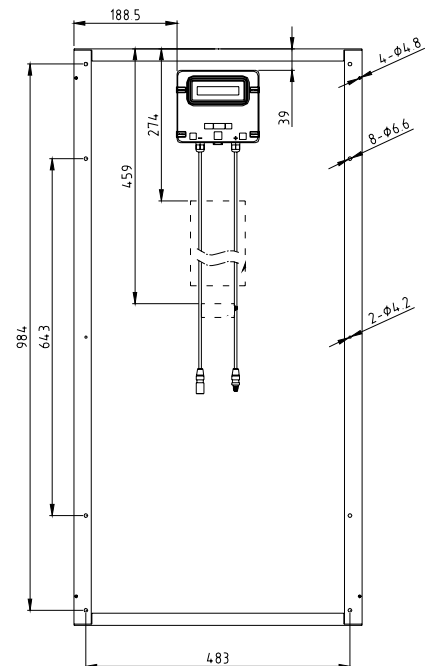
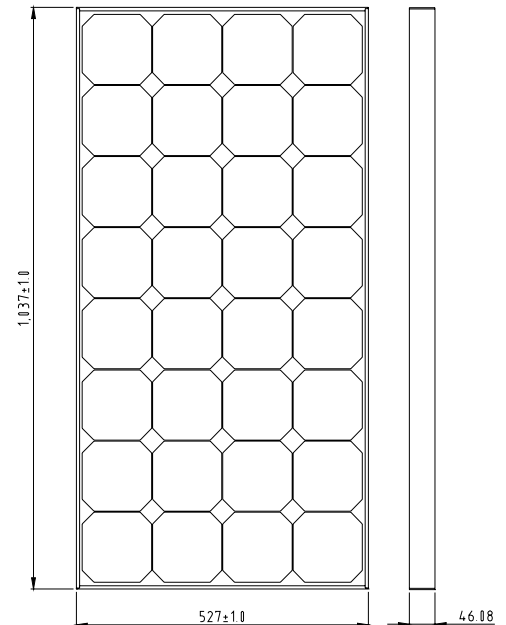
IV Curve



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

All right reserved. Specifications included in this datasheet are subject to change without notice.

Dimensions



Unit: mm