

Polycrystalline Solar Panel



The Eco-Sources is specializing in Solar panel and related energy saving products more 10 years. The Eco-sources series of poly solar panel is one important part of main products.

It's high conversion efficiencies, easy installation and hand.

It's widely used in any large or small on-gird/off-gird solar power stations, building roof-top and ground systems.

Now we have developed 5W, 10W, 15W, 20W, 40W, 50W, 60W, 100W poly solar panel.

Features

1. Industry-Leading warranty

10 years workmanship warranty, 92% min. power output over 12years, 85% min. power output over 25 years.

2. High Transmission Glass

Anti-reflective coated glass delivers up to 4% more energy than standard glass.

3. Reliable electrical connections

Special technology for cooler diode operation and optimal performance.

5. Enhanced cell protection

Better cell protection thanks to robust frame and durable materials

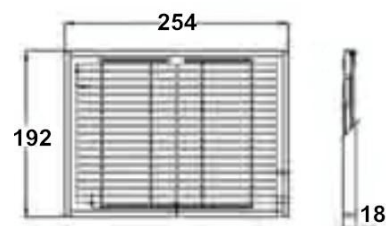
6. Verified power output

The energy ratings factor the initial degradation (LID effect) to maximize your investment.

Specifications

ICO-SPC-5W

Dimension Specifications



Electrical Specifications

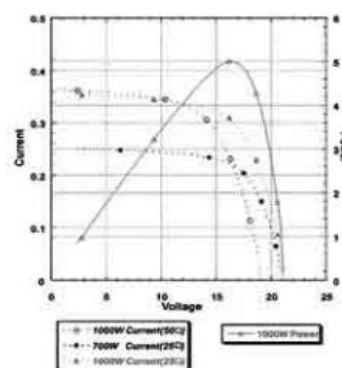
N.W: 0.57kg

Max Power	5watt
Dimension	254*192*18mm
Max Power Voltage	17.9V
Max Power Current	0.28A
Open Circuit Voltage	22.41V
Short Circuit Current	0.30A

Note:

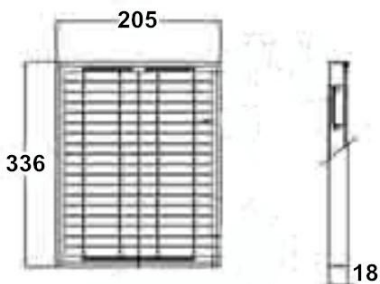
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-10W

Dimension Specifications



Electrical Specifications

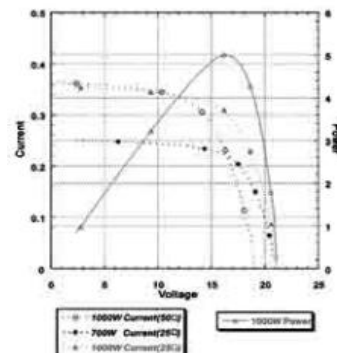
N.W: 0.81kg

Max Power	10watt
Dimension	336*205*18mm
Max Power Voltage	17.6V
Max Power Current	0.56A
Open Circuit Voltage	22.41V
Short Circuit Current	0.61A

Note:

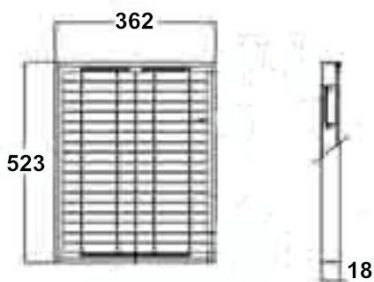
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-15W

Dimension Specifications



Electrical Specifications

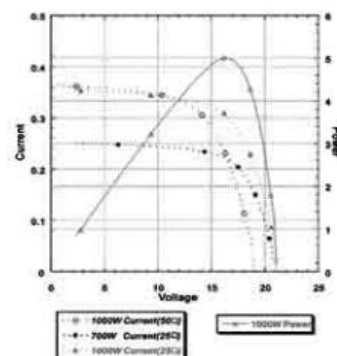
N.W: 1.45kg

Max Power	15watt
Dimension	523*362*18mm
Max Power Voltage	18V
Max Power Current	0.833A
Open Circuit Voltage	21.6V
Short Circuit Current	0.916A

Note:

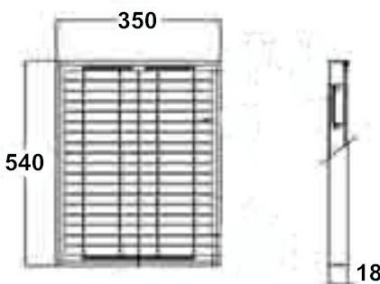
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-20W

Dimension Specifications



Electrical Specifications

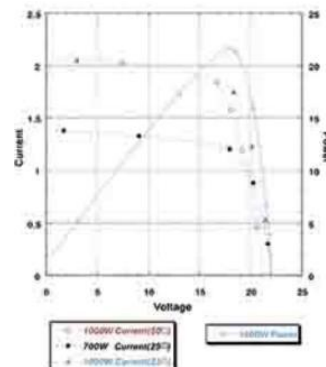
N.W: 2.01kg

Max Power	20watt
Dimension	540*350*28mm
Max Power Voltage	17.9V
Max Power Current	1.14A
Open Circuit Voltage	22.4V
Short Circuit Current	1.23A

Note:

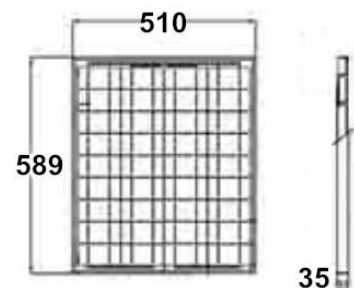
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-40W

Dimension Specifications



Electrical Specifications

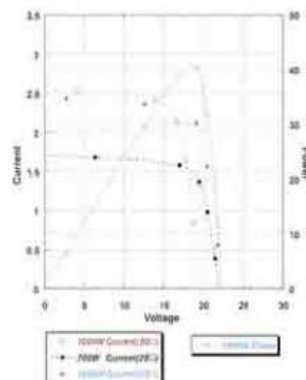
N.W: 3.93kg

Max Power	40watt
Dimension	589*510*35mm
Max Power Voltage	18V
Max Power Current	2.22A
Open Circuit Voltage	21.6V
Short Circuit Current	2.44A

Note:

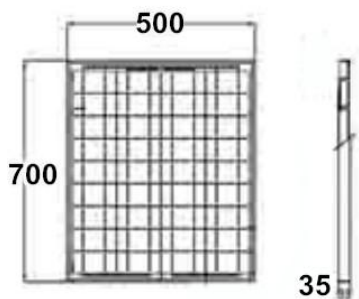
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-50W

Dimension Specifications



Electrical Specifications

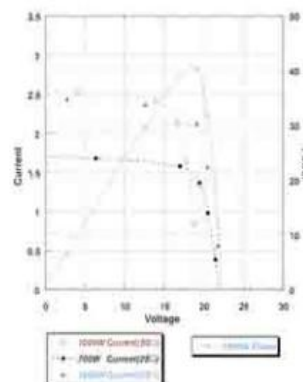
N.W: 4.56kg

Max Power	50watt
Dimension	700*500*35mm
Max Power Voltage	18V
Max Power Current	2.77A
Open Circuit Voltage	21.6V
Short Circuit Current	3.05A

Note:

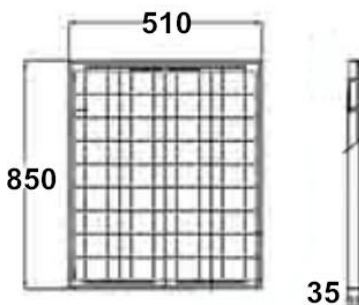
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-60W

Dimension Specifications



Electrical Specifications

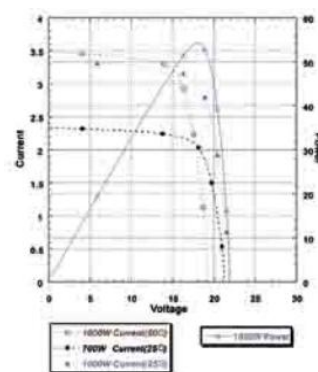
N.W: 5.62kg

Max Power	60watt
Dimension	850*510*35mm
Max Power Voltage	18V
Max Power Current	3.33A
Open Circuit Voltage	21.6V
Short Circuit Current	3.66A

Note:

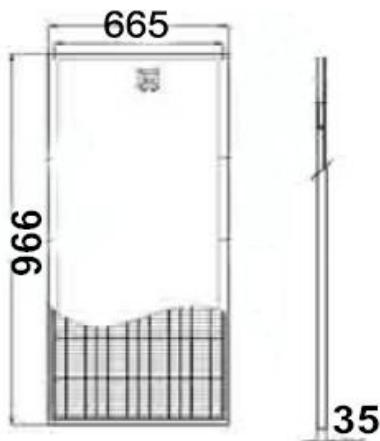
The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics



ICO-SPC-100W

Dimension Specifications



Electrical Specifications

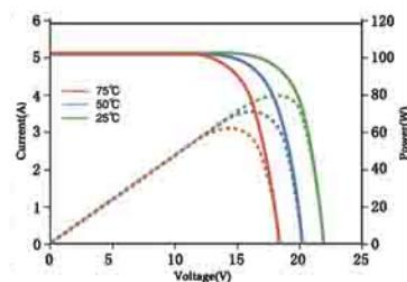
N.W: 8.18kg

Max Power	100watt
Dimension	996*665*35mm
Max Power Voltage	18V
Max Power Current	5.55A
Open Circuit Voltage	21.6V
Short Circuit Current	6.11A

Note:

The test conditions 1kw/m², 25°C, AM1.5

Electrical Characteristics

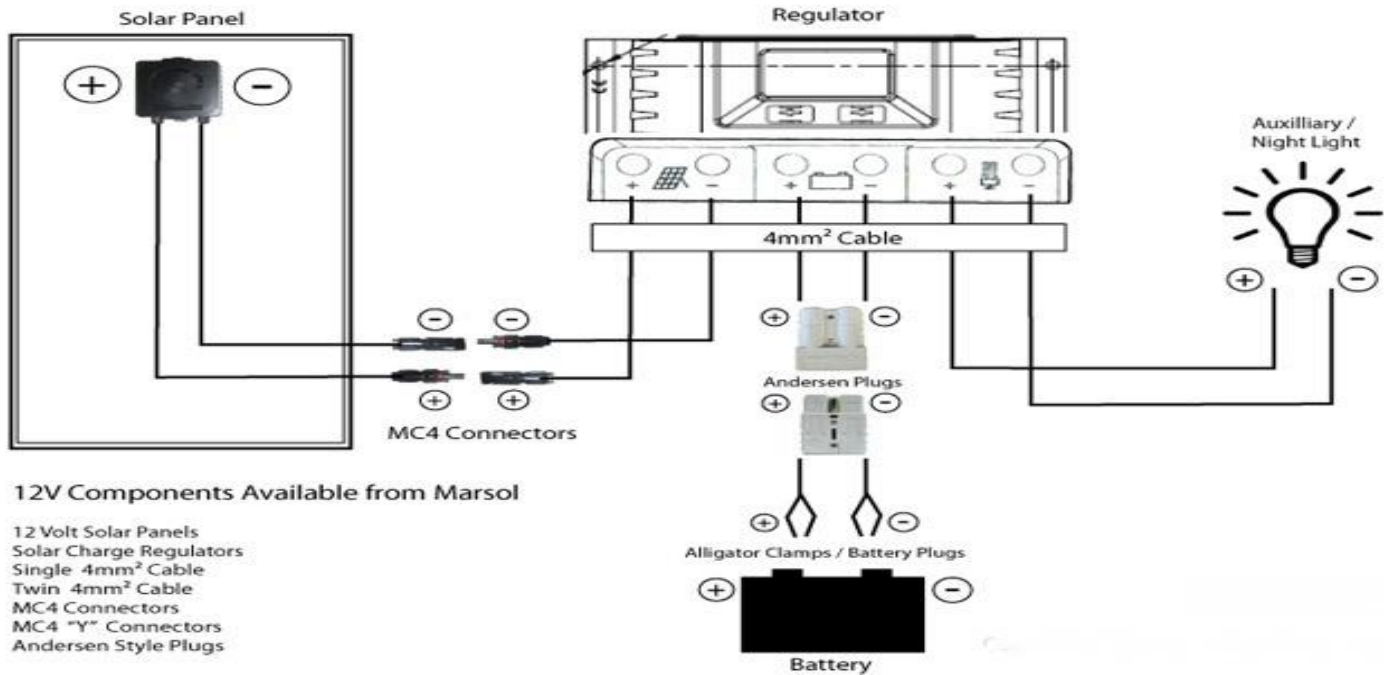


At STC(Standard Test Conditions).1000w/m²
25°C cell temperature,AM1.5 spectrum

Application



Wiring Up Your 12V Panel with your Solar Regulator



The solar panel is widely be used

1. Any large or small on-grid or off-grid solar power stations.
2. Commercial and industrial building roof-top systems
3. Residential roof-top systems
4. Any commercial or industrial ground mounts systems
5. Other industrial or commercial applications

Testing

1. Strictly quality control ensure the stability and reliability, totally 23 testing procedure to do quality control
2. High quality material as below High efficiency for solar panel with quality silicon materials for long term output stability and reliability.
3. High transmittance low iron tempered glass with enhanced stiffness and impact resistance
4. PET sheet imported from Toyo Japan with advanced encapsulating material, laminated in totally automatically machine by experienced technician.
5. Excellent performance in harsh weather,
6. Outstanding electrical performance under high temperature and low irradiance conditions

Maintenance

Cleaning Panels

Use warm water and a soft sponge or cloth to clean your panel and keep the controller dry.

Will hail hurt my solar panel?

All glass used in solar panels is toughened & factory tested to International standards. The small hail is no problem.

Do the solar panel systems make any noise?

No, they are not noise and you can use them in all national parks.

Will dirty glass on my solar panel reduce the power it creates?

Yes, please keep the glass area of your solar panel as clean as possible. All dirty marks or films on the glass surface will reduce the efficiency. Keep it free from bird and bat dropping's as they may permanently mark the glass surface. Clean with a moist soft cloth.

What can I run with a solar panel?

The Eco-sources solar panels will charge a battery while it's in the sun. This type of unit is commonly used to run lights, TV'S, DVD players, mp3 players.

Warranty & Repairs**Customer Service Policy**

Eco-sources solar panel is committed to providing exceptional customer service and quality products. The products meet all government and international regulations.

Warranty

Our solar products come with a 25 year warranty on all solar panels (10 years at 90% efficiency and 25 years at 80% efficiency)

Repairs

For repairs please contact to us email or telephone.

Exchange Service

You can choose between a refund, exchange or credit where goods are faulty or doesn't do what it's supposed to do.