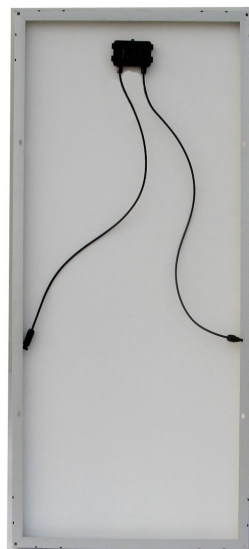
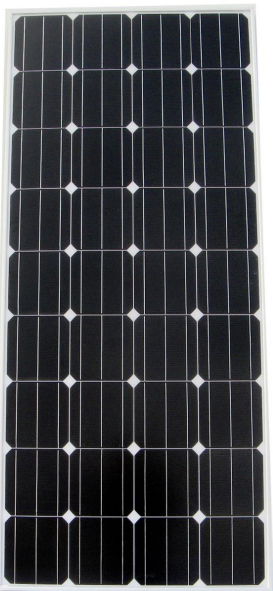


**Monocrystalline Solar Panel**



The Eco-Sources is specializing in solar panel and related energy saving products more than 10 years. The Eco-sources series of 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.

**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

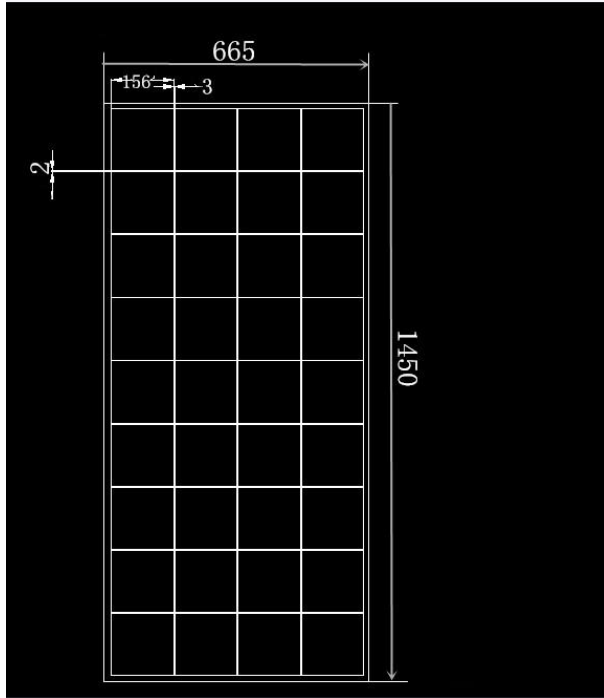
**6. Verified power output**

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

Specifications



Model	ICO-SMC-25	ICO-SMC-29	ICO-SMC-40	ICO-SMC-50	ICO-SMC-60	ICO-SMC-160
Related power	25W	29W	40W	50W	60W	160W
Max. power voltage	17.9V	10.5V	18V	18V	18V	19.14V
Max. power Current	1.40A	2.76A	2.22A	2.77A	3.33A	8.36A
Open circuit voltage	22.41V	12.6V	21.6V	21.6V	21.6V	23.5V
Short circuit current	1.54A	3.04A	2.44A	3.05A	3.66A	9.08A
Dimension(H*L*W)	523*368*18	495*410*23	550*540*35	630*541*35	825*540*35	1450*665*35
Weight(KGS)	2.07	2.25	3.85	4.42	5.7	10.45
Cell Type	monocrystalline					
Front Cover	3.2mm Glass					
Frame	Aluminum, anodized					
Connector	IP67					
Junction Box	Diodes, IP65					
Length of Cables	2*900MM					
Output Tolerance	±3%					
Temperature range	-40°C to +80°C					
SLA Battery Voltage	12V					



Model	ICO-SMC-150N
Related power	150W
Max. power voltage	17.9V
Max. power Current	8.33A
Open circuit voltage	22.41V
Short circuit current	9.67A
Dimension(H*L*W)	1450*665*35
Weight(KGS)	10.45
Cell Type	monocrystalline
Front Cover	3.2mm Glass
Frame	Aluminum, anodized
Connector	IP67
Junction Box	Diodes, IP65
Length of Cables	2*900MM
Output Tolerance	±3%
Temperature range	-40°C to +80 °C
SLA Battery Voltage	12V

**Application**



## 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 mono 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.