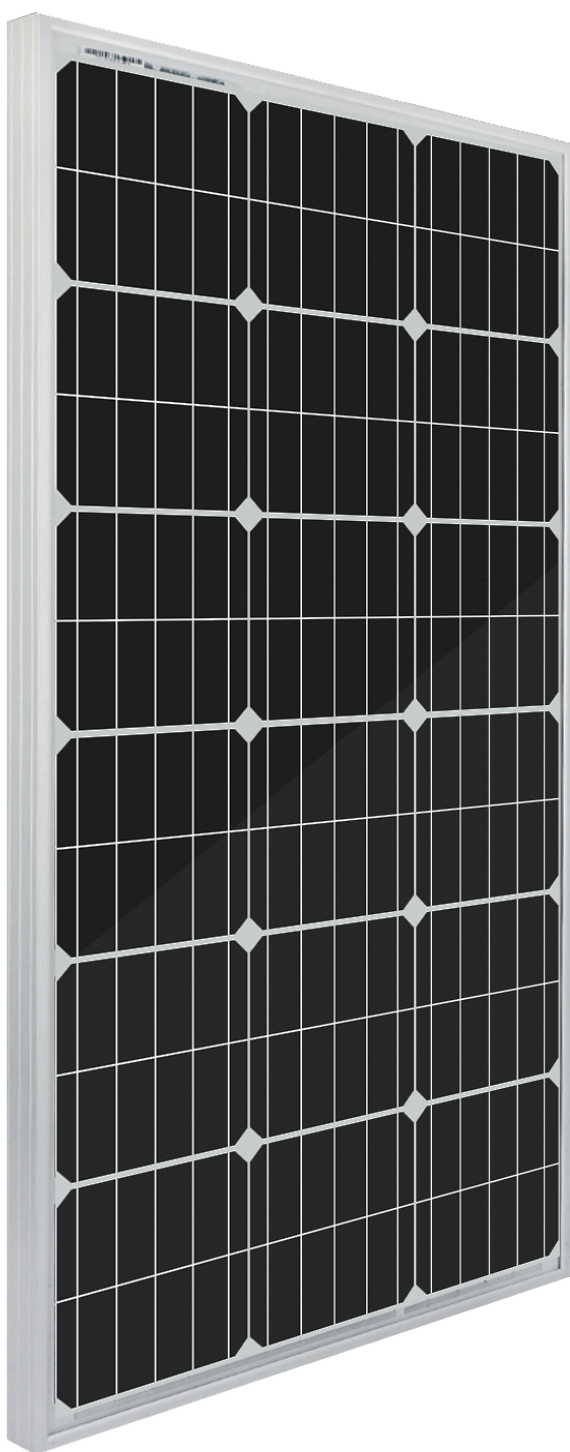


ECO-100W(18)

Photovoltaic modules
18pcs mono-crystalline silicon cell



Strenghts



Tolerance:
0+3%



Higher module conversion efficiency (up to 20.17%) benefit from Passivated Emmiter Rear Contact (PERC) technology



High transmission,low Iron
Tempered Glass



Bypass Diodes
Protection

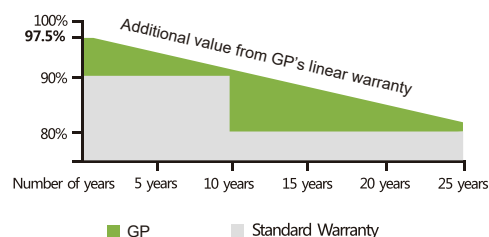


Salt Mist And Ammonia
Resistance Test



5400 Pa snow load
2400 Pa wind load

linear performance warranty



■ GP ■ Standard Warranty

Warranty



Manufacturing
10 years



Power Production
90%:12 years 80%:25 years

Insurance



Insured
By CHUBB

Call: (417)459-7063

Email: customer.service@eco-worthy.com

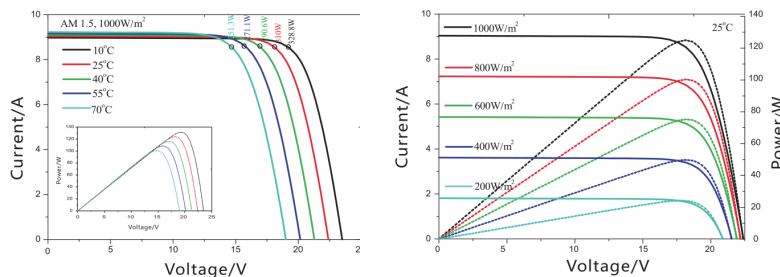
ECO-100W(18)

ECO-WORTHY solar is manufacturers and wholesalers of solar panels and renewable energy products since 2002. It was founded by several eco-friendly impassioned engineers and had achieved significant progress ever since that time. Till now, ECO-WORTHY owns a full series of products. We recommend renewable energy, solar power and other energy-efficient options which offer many clean, green solutions for both now and future. Renewable energy reduces greenhouse gas emissions as well as your energy costs. Its benefit to both environment and our customers. This is a career all we want to pursuit and dedicated to.

Electrical Data	
Maximum Power at STC*	100W
Optimum Operating Voltage (Vmp)	18V
Optimum Operating Current (Imp)	5.55A
Open Circuit Voltage (Voc)	21.6V
Short Circuit Current (Isc)	6.11A
Module Efficiency	19.41%
Maximum System Voltage	1000v
Maximum Series Fuse Rating	8-10A

Junction Box	
IP Rating	IP68
Diode Type	blocking bypass diodes
Output Cables	12AWG (2.9 ft long)
MC4 Connectors	
Rated Current	30A
Maximum Voltage	1000V
Maximum AWG Size Range	10AWG ~ 14AWG
Temperature Range	-40 °C ~ +85 °C
IP Rating	IP67

I-V Curves



Thermal Characteristics	
Operating Module Temperature	-40 °C to +80 °C
Nominal Operating Cell Temperature (NOCT)	25 °C
Temperature Coefficient of Pmax	(0.5+/-0.05) / °C
Temperature Coefficient of Voc	(2.23+/-0.1) / °C
Temperature Coefficient of Isc	0.065+/-0.015%/°C

Dimensions

Mechanical Data	
Solar Cell Type	Mono-crystalline cell
Number of Cells	18
Dimensions	1010×510×35mm(39.8 x 20.1 x 1.4 in)
Weight	12.8 lbs(5.8 kg)
Front Glass	High-strength toughened glass
Frame	Aluminum alloy frame
Connectors	2.9ft solar panel extension cable with mc4 connector

