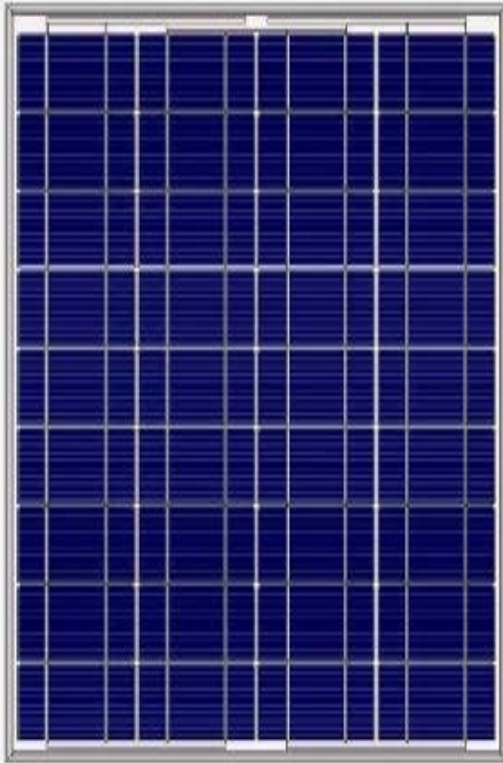


## Features

---



- ※ High efficient poly-crystalline cells connected in series
- ※ Superior manufacturing technology to meet high standard of module conversion efficiency
- ※ IP65 or 67 water proof junction box is available for long term weather endurance
- ※ Salt mist, ammonia and blowing sand resistance, apply to seaside, farm and desert areas
- ※ Positive power tolerance up to 5w delivers high power generation
- ※ Selective materials and rigid process effectively control Potential Induced Degradation (PID)
- ※ Total quality control and complete traceability of Material by Shop Floor Control (SFC)
- ※ Outstanding electrical performance under high temperature

## Warranty

---

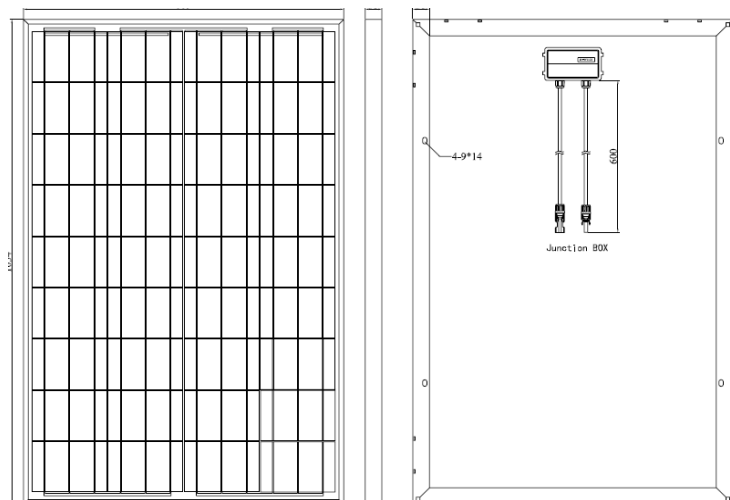
- ❖ 10 Years Product Workmanship Warranty
- ❖ 25 Years Power Performance Warranty: 12 years for 80% and 25 years for 90%

## Certification

---



## Physical Specification



- 1, Tempered Glass
- 2, EVA (Ethylene Vinyl Acetate)
- 3, Solar Cells
- 4, EVA (Ethylene Vinyl Acetate)
- 5, Backsheet

## Electrical Specification

Model Type	Unit	ESP 105
Maximum Power (P <sub>max</sub> )	W	105
Module Efficiency	%	16.00
Open Circuit Voltage (V <sub>oc</sub> )	V	22.80
Short Circuit Current (I <sub>sc</sub> )	A	6.10
Maximum Power Voltage (V <sub>mp</sub> )	V	18.43
Maximum Power Current (I <sub>mp</sub> )	A	5.70
Maximum System Voltage	V	1000 (TUV) / 600 (UL)
Maximum Series Fuse Rating (A)	A	12
Power Tolerance		0 ~ +5W

Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800W/m<sup>2</sup>, 20°C ambient temperature, AM 1.5 Spectrum, 1m/s wind speed.

## Mechanical Specification

Module Dimension (mm)	1000x665x30mm
Cell Type	Polycrystalline 156mm solar cells cut
Number of Cell	36 ( 4 x 9 )
Glass Thickness (mm)	3.2
Weight (kgs)	7.50
Maximum Load (TUV) (Pascal)	5400
Junction Box	IP65 or IP67 rated;

## Temperature Characteristics

Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature (NOCT)	45 +/- 2 °C
Temperature Coefficient ( P <sub>max</sub> )	-0.38% / °C
Temperature Coefficient ( V <sub>oc</sub> )	-0.31% / °C
Temperature Coefficient ( I <sub>sc</sub> )	0.03% / °C