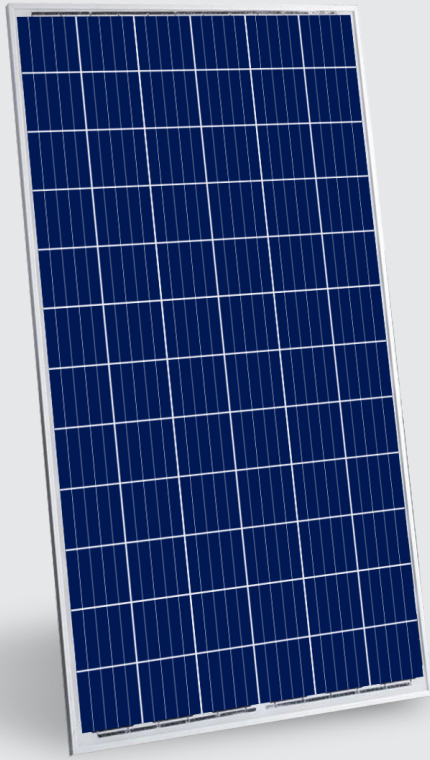


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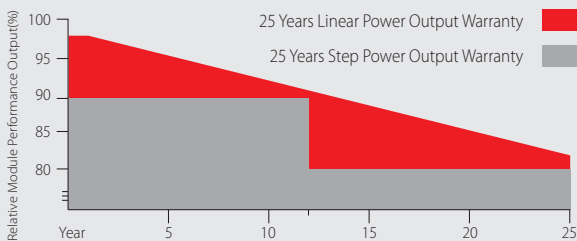


Poly crystalline Solar Module

ESP 315/320/325/330/335/340

FEATURES

- Excellent module efficiency up to 17.3% by using high efficient polycrystalline solar cells 156x156mm
- Outstanding performance at low irradiance above 96.3%
- Heavy snow load up to 5400 Pa and wind load up to 3800Pa
- IP65 or 67 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
- Selective materials and rigid process effectively control Potential Induced Degradation (PID)
- Total quality control and complete traceability of Material by Shop Floor Control (SFC)



WARRANTY

- 12 Years Product Workmanship Warranty
- 12 Years Minimum 90% Power Output
- 25 Years Minimum 80% Power Output

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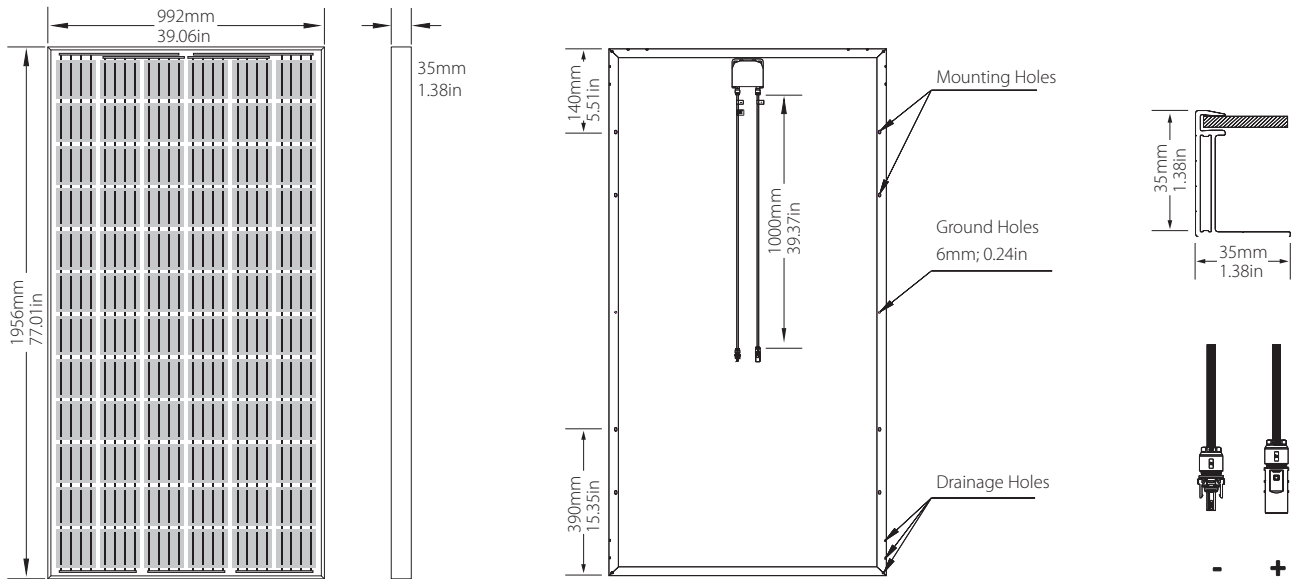
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The specifications are subject to change without prior notice.

Poly crystalline Solar Module

ESP 315/320/325/330/335/340

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Electrical Specification

Model Type	Unit	ESP 315	ESP 320	ESP 325	ESP 330	ESP 335	ESP 340
Maximum Power (Pmax)	W	315	320	325	330	335	340
Module Efficiency	%	16.3	16.6	16.8	17.0	17.3	17.5
Open Circuit Voltage (Voc)	V	45.7	45.9	46.0	46.1	46.2	46.3
Short Circuit Current (Isc)	A	9.15	9.20	9.25	9.30	9.35	9.41
Maximum Power Voltage (Vmp)	V	37.0	37.2	37.3	37.4	37.6	37.8
Maximum Power Current (Imp)	A	8.52	8.61	8.72	8.83	8.91	9.00
Maximum System Voltage	V	1000 (TUV) / 600 (UL)					
Maximum Series Fuse Rating	A	15					
Power Tolerance		0~+5W					

Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

The NOCT is obtained under the Test Conditions: 800W/m², 20°C ambient temperature, AM 1.5 Spectrum, 1m/s wind speed.

Mechanical Specification

Module Dimension (mm)	1956 × 992 × 40
Cell Dimension (mm)	156 × 156
Number of Cell	72 (6 × 12)
Glass Thickness (mm)	3.2
Weight (kgs)	20.5
Maximum Load (TUV) (Pascal)	5400
Junction Box and Cable connector	IP65 or IP 67 rated; MC4 compatible

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45 +/- 2 °C
Temperature Coefficient (Pmax)	-0.41% / °C
Temperature Coefficient (Voc)	-0.32% / °C
Temperature Coefficient (Isc)	0.05% / °C
Operating Temperature	-40~85 °C

IV CURVE

