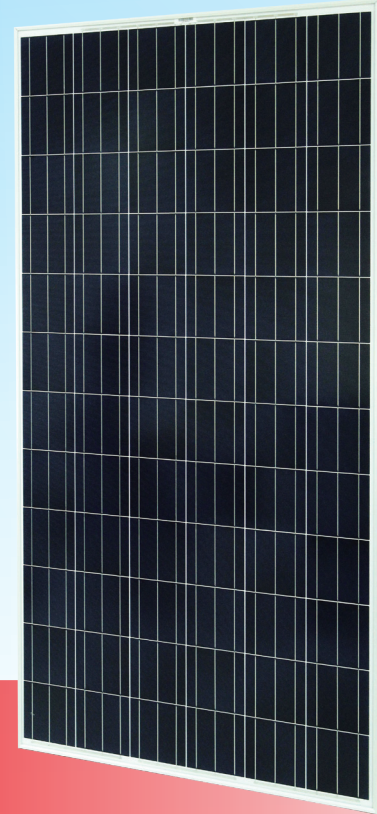




Solartech
Energy Corp.

290W-310W

Maximize solar return with
Solartech
High Performance Modules



SEC-6P-72-3BB Series
Multi-Crystalline Photovoltaic Modules

Maximize peak output with pre-sorted high quality 6" multi-crystalline cells

Ensure 5400pa snow loads and 2400pa wind loads with high transparent tempered glass and robust anodized aluminum frame

Commit protection in the severest weather conditions with certified EVA, Back sheet foil, and Junction box

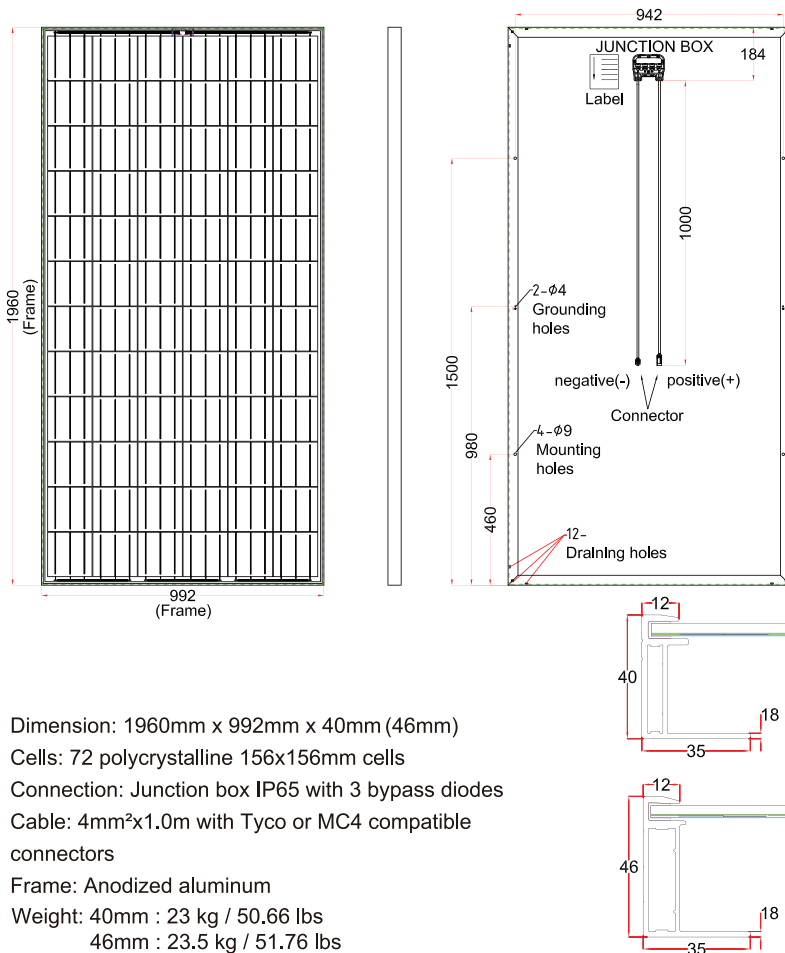
10-year limited product warranty, 25-year limited power output warranty (90% for 10 years, 80% for 25 years)



SEC-6P-72-3BB Series 290W-310W

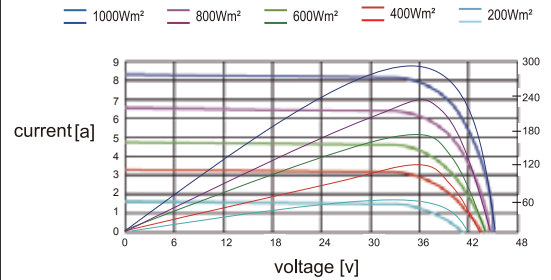
Multi-Crystalline Photovoltaic Modules

Mechanical Data



IV Curve

IV and Pmax Curves with different radiation levels at 25°C



Temperature Coefficient

Temp. Coeff. of Isc = 0.05%/K
 Temp. Coeff. of Voc = -0.32%/K
 Temp. Coeff. of Pmax = -0.46%/K

Maximum Operation

Operational Temperature: -40°C to +85°C
 (-40°F to +185°F)
 Maximum System voltage: 1000 V DC
 Maximum Reverse Current: 15A
 Maximum Load: Snow loads 5400pa or 550kg/m²
 Wind loads 2400pa

Electrical Characteristics @ STC*

Module Number	SEC-6P-72-290-3BB	SEC-6P-72-295-3BB	SEC-6P-72-300-3BB	SEC-6P-72-305-3BB	SEC-6P-72-310-3BB
Nominal Power Pmax[Wp]	290	295	300	305	310
Power Tolerance **	+3%	+3%	+3%	+3%	+3%
Nominal Voltage Vmax[V]	36.16	36.38	36.52	36.85	37.30
Nominal Current Imax[A]	8.02	8.10	8.21	8.27	8.31
Open Circuit Voc[V]	44.46	44.68	44.75	44.83	45.18
Short Circuit Isc [A]	8.52	8.58	8.62	8.68	8.70
Efficiency Eff [%]	14.92	15.17	15.43	15.69	15.94

*STC: Standard Test Conditions, measurement at radiation strength 1,000 W/m², spectral distribution AM 1.5, temperature 25°C, in accordance

NOCT: Nominal Operating Cell Temperature, 45.8 +/- 2°C, measurement at radiation strength 800 W/m², AM 1.5, Air temperature 20°C, wind speed 1m/s

Specifications are subject to change without notice

Warranty

10 year limited product workmanship warranty

25 year limited power output warranty: 90% minimum rated power for 10 years, 80% minimum rated power for 25 years

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