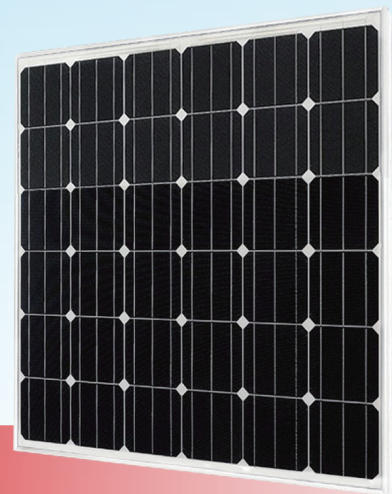


150W-160W

Maximize solar return with  
Solartech  
High Performance Modules



**SEC-6M-36 Series-3BB**  
Mono-Crystalline Photovoltaic Modules

Maximize peak output with pre-sorted high quality 6" mono-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

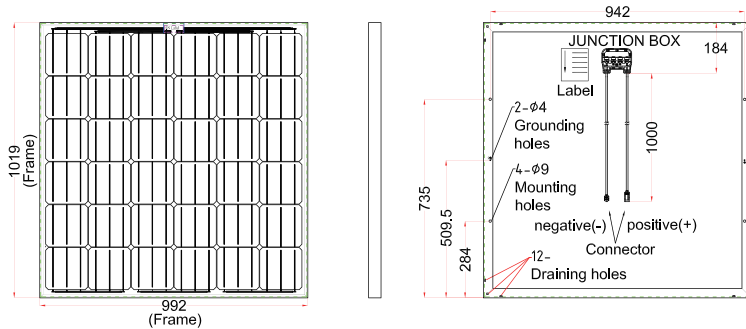
10-year limited product warranty, 25-year limited power output warranty (90% for 10 years, 80% for 25 years)



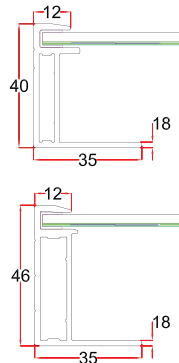
# SEC-6M-36 Series-3BB 150W-160W

## Mono-Crystalline Photovoltaic Modules

### Mechanical Data

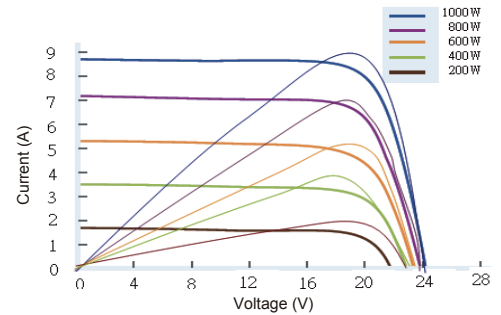


Dimension: 1019mm x 992mm x 40mm (46mm)  
Cells: 36 mono-crystalline 156x156mm cells  
Connection: Junction box IP65 with 3 bypass diodes  
Cable: 4mm<sup>2</sup>x1.0mm with Tyco or MC4 compatible connectors  
Frame: Anodized aluminum  
Weight: 40mm : 12.5 kg / 27.53 lbs  
46mm : 13 kg / 28.63 lbs



### 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 = -0.33%/K  
Temp. Coeff. of Pmax = -0.47%/K

### Maximum Operation

Operational Temperature: -40°C to +85°C  
(-40°F to +185°F)  
Maximum System voltage: 1000V DC  
Maximum Reverse Current: 15A  
Maximum Load: Snow loads 5400pa or 550kg/m<sup>2</sup>  
Wind loads 2400pa

### Electrical Characteristics @ STC\*

Module Number	SEC-6M-36-150-3BB	SEC-6M-36-155-3BB	SEC-6M-36-160-3BB
Nominal Power Pmax [Wp]	150	155	160
Power Tolerance **	+3%	+3%	+3%
Nominal Voltage Vmax [V]	18.14	18.55	18.93
Nominal Current Imax [A]	8.27	8.36	8.43
Open Circuit Voc [V]	22.5	22.8	23.1
Short Circuit Isc [A]	8.80	8.90	8.90
Efficiency Eff [%]	14.84	15.33	15.83

\* STC: Standard Test Conditions, measurement at radiation strength 1,000 W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25°C, in accordance with EN 60904-3

\*\* Power tolerance can be adjusted by requests

NOCT: Nominal Operating Cell Temperature, 45.8 +/- 2°C, measurement at radiation strength 800 W/m<sup>2</sup>, 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

Solartech Energy Corp.

Taipei Office  
8F., No.760, Sec. 4, Bade Rd., Songshan Dist., Taipei 105, Taiwan  
Tel: +886-2-21712388 Fax: +886-2-21712387 E-mail: sales@solartech-energy.com

Hsinchu HQ & Fab  
No. 16, Guangfu N. Rd., Hsinchu Industrial Park, Hukou, Hsinchu 303, Taiwan  
Tel: +886-3-5276888 Fax: +886-3-5246866