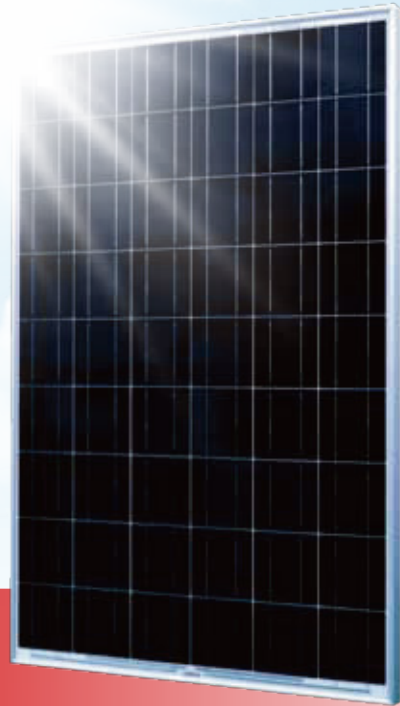




**Solartech**  
Energy Corp.

210W-230W

Maximize solar return  
with Solartech  
High Performance Modules



### ASC-6P-54 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

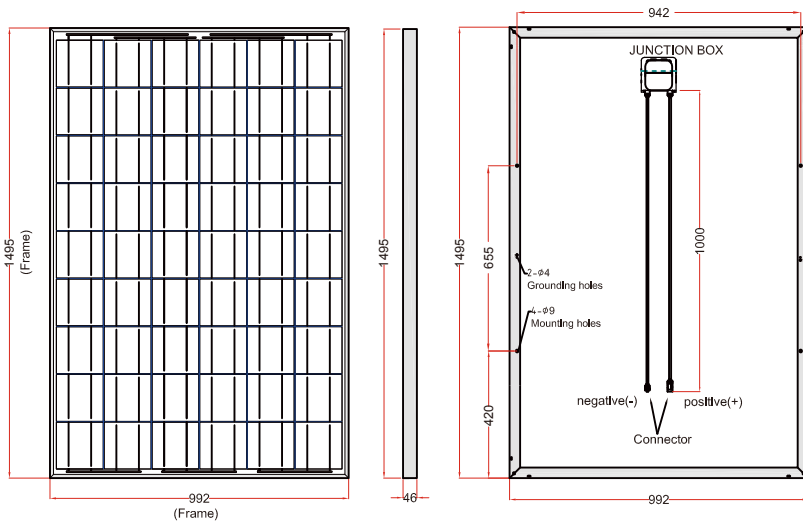
10-year limited product warranty, 25-year limited power output warranty (90% for 10 years, 80% for 25 years)



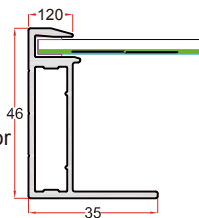
# ASC-6P-54 Series 210W-230W

## Multi-Crystalline Photovoltaic Modules

### Mechanical Data

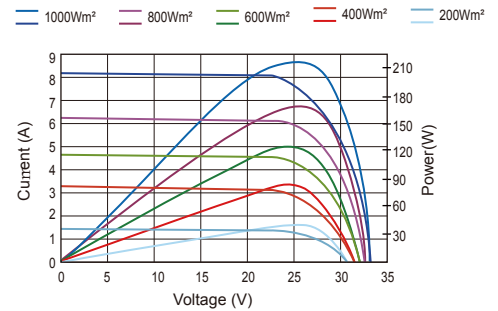


Dimension: 1495mm x 992mm x 46mm  
 Cells: 54 polycrystalline 156x156mm cells  
 Connection: Junction box IP65 with 3 bypass diodes  
 Cable: 4mm<sup>2</sup>x1.0mm with Tyco or MC4 compatible connector  
 Frame: Anodized aluminum  
 Weight: 17 kg / 37.48 lbs



### 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 = -0.32%/K  
 Temp. Coeff. of Pmax = -0.41%/K

### Maximum Operation

Operational Temperature: -40°C to +85°C  
 (-40°F to +185°F)  
 Maximum System voltage(ETL): 600V DC  
 Maximum Reverse Current: 15A  
 Maximum Load: Snow load 5400pa(IEC) or 550kg/m<sup>2</sup>  
 Wind load 2400pa

### Loading Capacity

20 ft container: 240 pcs (20pcs/pallet)  
 40 ft container: 560 pcs (20pcs/pallet)  
 40 ft HQ container: 672 pcs (24pcs/pallet)

### Electrical Characteristics @ STC\*

Module Number	ASC-6P-54-210	ASC-6P-54-215	ASC-6P-54-220	ASC-6P-54-225	ASC-6P-54-230
Nominal Power Pmax [Wp]	210	215	220	225	230
Power Tolerance **	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%
Nominal Voltage Vmax[V]	26.25	26.81	27.33	27.78	28.19
Nominal Current Imax[A]	8.00	8.02	8.05	8.10	8.16
Open Circuit Voc[V]	33.23	33.44	33.66	33.80	34.02
Short Circuit ISC[A]	8.50	8.52	8.55	8.60	8.66
Efficiency Eff [%]	14.16	14.50	14.50	15.17	15.51

\*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.

Linko Office  
 No. 51, Dinghu 1st St. 4th Industrial Park, Gueishan, Taoyuan 333, Taiwan  
 Tel: +886-3-3188288 Fax: +886-3-3188266 E-mail: sales@solartech-energy.com

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