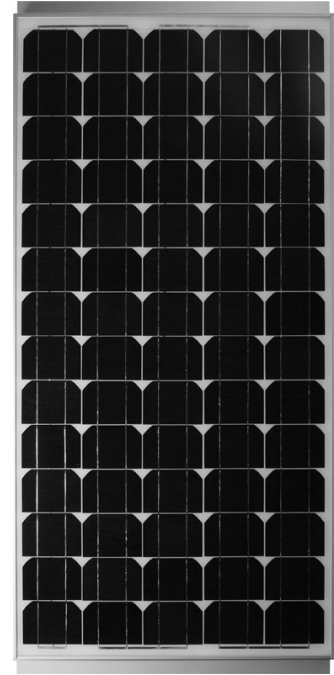


# Power

## 110Wp Photovoltaic Module



- Encapsulated Design Resists Corrosion
- No Maintenance Required
- Manufacturer warranty: 80% peak power after 25 years, 90% after 10 years
- Designed According to CE, IEC61215 Standard, SC-II
- 5-year product warranty

Alpha silicon solar modules use breakthrough technology perfected by nearly 40 years of manufacturing technology.

These modules use a textured cell surface and tempered glass to reduce reflection of sunlight. The anti-reflective coating increases the absorption of light in all weather conditions.

These solar modules can be applied in many areas including building roofs, photovoltaic power plants, telecommunication hubs, weather stations, broadcast towers, navigation marks, railways and road intersections.

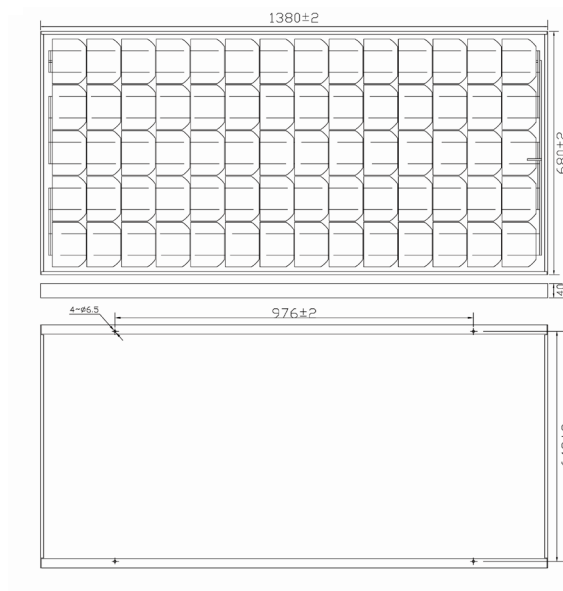


## 110Wp Photovoltaic Module

Electrical Characteristics	
Maximum Power (Pmax)	110Wp
Power Tolerance	±5 %
Maximum Power Voltage (Vmp)	34.2 Volt
Maximum Power Current (Imp)	3.22 Ampere
Open circuit Voltage (Voc)	42.0 Volt
Short circuit Current (Isc)	3.76 Ampere
Temp. coefficient Voc	-0.35±0.02 %/°C
Temp. coefficient Isc	+0.04±0.0015 %/°C
Temp. coefficient Power	-0.5±0.05 %/°C
Nominal operating cell temperature (NOCT)	47°C±2°C
Standard Test Conditions	
AM	1.5
Irradiation	1000 W/m <sup>2</sup>
Tc	25 °C

Mechanical Characteristics	
Length	1380 mm
Width	680 mm
Depth	40 mm
Weight	12 kg
Front glass thickness	3.2 mm
Encapsulant	EVA
Back side	TPT
Absolute Maximum Ratings	
Operating Temperature	-40 to +90 °C
Storage Temperature	-40 to +90 °C
Dielectric Isolation Voltage	1000 VDC max
Maximum Wind Resistance	60 m/s
Maximum Load Capacity	200 kg/m <sup>2</sup>
Maximum Hail diameter	25 mm @ 80km/h

### Module Drawing and Measurements



For contact information visit [www.alphatechnologies.com](http://www.alphatechnologies.com)

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