

# bio 260-280

POLY-CRISTALLINE

BIOENERGY Solar Photovoltaic Panels stand for quality, durability and most importantly, high-performance. Our experience, capacity of research, continuing development and improvement have turned us into a company recognized in the sector by the high value offered to our clients.

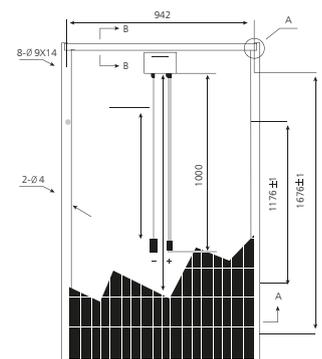
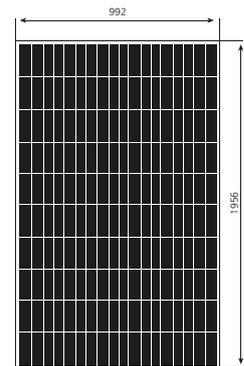
Highly transparent solar glass of 3.2 mm. and anodized aluminum frame for a perfect stability and a long duration. Sheeting at constant temperature provides a perfect cure of the module avoiding the formation of bubbles. The distance between the edge of the frame and the cell circuitry is optimized to ensure both waterproof sealing and maximum module size reduction.



## Electrical Characteristics

	260 W	265 W	270 W	275 W	280 W
Reference	P120260	P120265	P120270	P120275	P120280
Maximum power (Wp)	260Wp	265Wp	270Wp	275Wp	280Wp
Max. power voltage (Vmax)	35.60	35.80	36.10	36.37	38.60
Max. power current (Imax)	7.30	7.40	7.48	7.56	7.66
Open circuit voltage (Voc)	43.50	43.50	43.60	44.00	44.20
Short circuit voltage (Isc)	8.05	8.10	8.20	8.20	8.26
Module Eff. (%)	13.40	13.70	13.90	14.20	14.40
Operating temperature	-40°C + 80°C				
Maximum system voltage	1000 V(IEC)				
Power tolerance (%)	0-3%				

## Dimensions



## Mechanical Characteristics

Solar cells	Polycrystalline silicon
Dimensions	1956x992x45 mm
Weight	26 kg
No. Cells	72 pcs (156 x 156 mm) Poly-Crystalline Silicon (6x12mm)
Output cables length	1250 mm
Cable cross section	4 mm <sup>2</sup>
Construction	High transmission, Low Iron, Tempered Glass 4.0 mm
Junction box	3 bypasses
Connectors	MC4 compatible

## Temperature Coefficients

Nominal operating cell temperature (NOCT)	47 °C ± 2°C
Temperature coefficient of power (P <sub>MAX</sub> )	-0.40 W/°C
Temperature coefficient (VOC)	-0.30 V/°C
Temperature coefficient (ISC)	0.04 A/°C
Hail diameter 23 m/s	Up to 25mm
Continuous wind pressure	< 5400 Pa

The 10 years product warranty surpasses the warranty required by law.

The performance warranty is for 25 years: After 10 years, modules still produce a minimum 90% of their nominal performance. After 25 years modules still produce a minimum 80% of their nominal performance.

