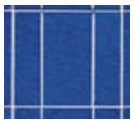
plus 260-280

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.

Due to their engineered hollow-section frame and its 4mm special solar glass (standard solar module has 3.2mm), BIOENERGY PLUS modules meet the maximum demands with regard to stability and corrosion resistance.

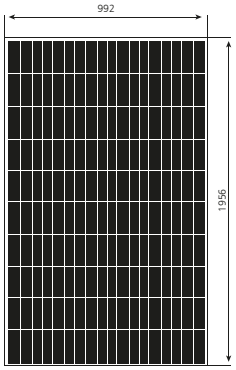
Thanks to their high performance BIOENERGY PLUS modules are prepared for changes in legislation. These panels will produce 5% more than any other of the same features.

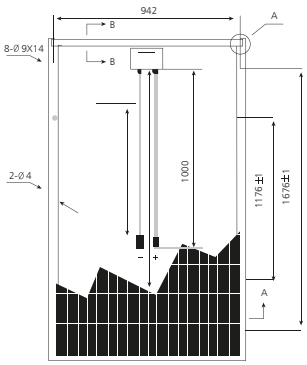


Electrical Characteristics

	260	265	270	275	280
Reference	P121260	P121265	P121270	P121275	P121280
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
Modulle 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	Poly-crystalline
Dimensions	1956 x 992 x 40 mm
Weight	26 kg
No. Cells	72 pcs (156 x 156 mm) Poly-Crystalline (6x12mm)
Output cables length	900 mm
Cable cross section size	4 mm^2
Construction	High Transmission, Low Iron, Tempered Glass 4 mm
Bypass-Diodes	3 bypass
Connectors	MC4 compatible

Temperature Coefficients

Nominal operating cell temperature (NOCT)	47 °C ± 2°C
Temperature coefficient of power (PMAX)	-0.40 %/°C
Temperature coefficient VOC	-0.30 %/°C
Temperature coefficient ISC	0.04 %/°C
Continuous wind pressure	<5400 Pa

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

The performance warranty is for 30 years: after 12 years, modules still produce a minimumt 90% of their nominal performance, after 30 years modules still produce a minimum 80% or their nominal performance.