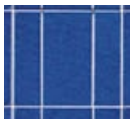
bio 225-245

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.

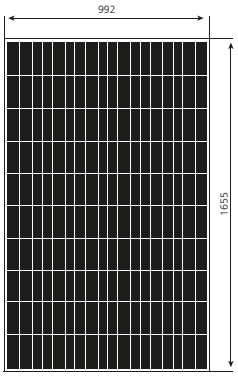
Highly transparent solar glass of 3.2 mm.and anodized aluminum frame for a perfect stability and a long duration. Sheeting at constant temperature provides a perfect cure of the module avoiding the formation of bubbles. The distance between the edge of the frame and the cell circuitry is optimized to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



Electrical Characteristics

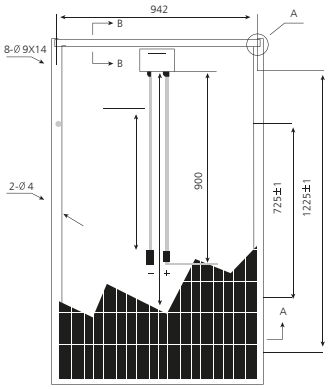
	225	230	235	240	245
Reference	P120225	P120230	P120235	P120240	P120245
Maximum power (Wp)	225Wp	230Wp	235Wp	240Wp	245Wp
Max. power voltage (Vmax)	30	30.2	30.5	30.8	31.1
Max. power current (Imax)	7.5	7.62	7.71	7.8	7.89
Open circuit voltage (Voc)	36.6	36.9	37	37.2	37.4
Short circuit voltage (Isc)	8.2	8.31	8.4	8.55	8.65
Modulle Eff. (%)	13.7	14	14.3	14.6	14.9
Operating temperature	-40°C + 85°C				
Maximum system voltage	1000 V(IEC)				
Power tolerance (%)	0-3%				

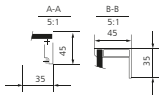
Dimensions

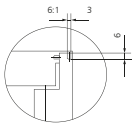


Mechanical Characteristics

Solar cells	Polycristalline silicon
Dimensions	1655x992x40 mm
Weight	22.5 kg
No. Cells	60 pcs (156 x 156 mm) Poly-Crystalline Silicon (6x10mm)
Output cables length	1000 mm
Cable cross section	4 mm^2
Construction	High transmission, Low Iron, Tempered Glass 3.2 mm
Junction box	3 bypasses
Connectors	MC4 compatible







Temperature Coefficients

Nominal operating cell temperature (NOCT)	47 °C ± 2°C
Temperature coefficient of power (PMAX)	-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 minimumt 90% of their nominal performance. After 25 years modules still produce a minimum 80% or their nominal performance.