

BIOENERGY Solar Photovoltaic Panels stand for quality, durability and most importantly, high-performance.

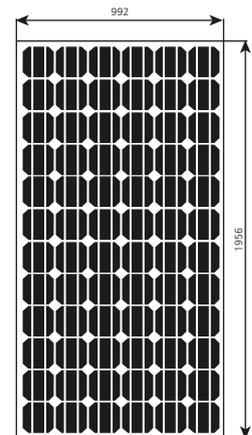
Our experience, capacity of research, continuing development and improvement have turned us into a company recognized in the sector by the high value offered to our clients through our efficient rendering of services and, especially, for the high quality of our products.



Electrical Characteristics

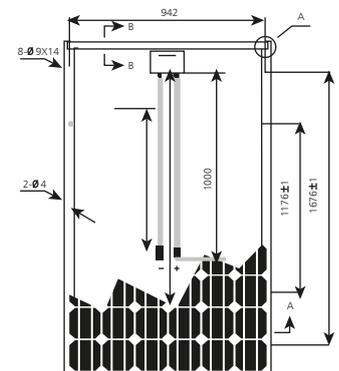
	280	285	290	295	300
Reference	P112280	P112285	P112290	P112295	P112300
Maximum power (Wp)	280 Wp	285 Wp	290 Wp	295 Wp	300 Wp
Max. power voltage (Vmax)	36.8	37.02	37.33	37.78	38.2
Max. power current (Imax)	7.61	7.7	7.77	7.81	7.85
Open circuit voltage (Voc)	43.8	44.1	44.5	45	45.30
Short circuit voltage (Isc)	8.52	8.63	8.68	8.72	8.76
Operating temperature	-40°C + 85°C				
Maximum system voltage	1000 V(IEC)				
Power tolerance (%)	0-3%				

Dimensions



Mechanical Characteristics

Solar cells	Mono-crystalline
Dimensions	1956x992x45 mm
Weight	26 kg
Transparency	10%
No. Cells	72 pcs (156 x 156 mm) Mono-Crystalline (6x12mm)
Output cables length	1250 mm
Cable cross section	4 mm ²
Construction	High Transmission, Low Iron, Tempered Glass 3.2 mm
Connectors	Compatible Type IV
No. of draining holes in frame	10



Temperature Coefficients

Nominal operating cell temperature (NOCT)	47 °C ± 2°C
Temperature coefficient of power (PMAX)	-0.43 %/°C
Temperature coefficient (VOC)	-0.31 %/°C
Temperature coefficient (ISC)	0.03 %/°C
Continuous wind pressure	<5400 Pa