

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

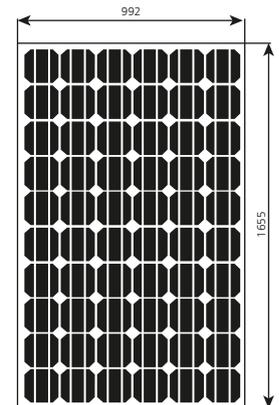
Our experience, capacity of research, continuing development and improvement have turned us into a company recognized in the sector by the high value offered to our clients through our efficient rendering of services and, especially, for the high quality of our products.



#### Electrical Characteristics

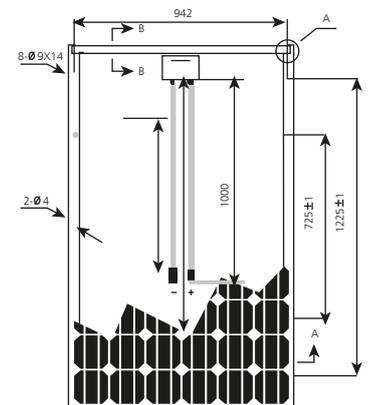
|                             | 235          | 240     | 245     | 250     |
|-----------------------------|--------------|---------|---------|---------|
| Reference                   | P112235      | P112240 | P112245 | P112250 |
| Maximum power (Wp)          | 235 Wp       | 240 Wp  | 245 Wp  | 250 Wp  |
| Max. power voltage (Vmax)   | 30.8         | 31.1    | 31.4    | 31.85   |
| Max. power current (Imax)   | 7.64         | 7.73    | 7.81    | 7.85    |
| Open circuit voltage (Voc)  | 36.6         | 37      | 37.3    | 37.66   |
| Short circuit voltage (Isc) | 8.55         | 8.65    | 8.75    | 8.85    |
| Operating temperature       | -40°C + 85°C |         |         |         |
| Maximum system voltage      | 1000 V(IEC)  |         |         |         |
| Power tolerance (%)         | 0-3%         |         |         |         |

#### Dimensions



#### Mechanical Characteristics

|                                |  |
|--------------------------------|--|
| Solar cells                    | Mono-crystalline                                   |
| Dimensions                     | 1655x992x45 mm                                     |
| Weight                         | 22.5 kg  |
| Transparency                   | 60 pcs (156 x 156 mm) Mono-Crystalline (10x6mm)    |
| No. Cells                      | 10%  |
| Output cables length           | 900 mm   |
| Cable cross section            | 4 mm <sup>2</sup>                                  |
| Construction                   | High Transmission, Low Iron, 3.2 mm Tempered Glass |
| Connectors                     | Compatible Type IV and Type III                    |
| 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    |