



## Photovoltaic Modules Series "P6"

### IS150P6 40 cells



The photovoltaic modules "P6" series, IS140P6, IS145P6 and IS150P6 are composed of **40** high efficiency polycrystalline solar cells **156x156mm** produced with the most innovative technologies and with antireflecting coating. These modules generate a power of **140Wp**, **145Wp** and **150Wp** respectively, with an **high power density up to "140Wp per square meter"**.

Thanks to the **New Ultratron®** technology, all the modules IS series have greater credit and an **higher power output**. This enable us to guarantee very good module performances, power and working conditions even if in lower sunlight levels worldwide.

We supply top quality modules by using only guaranteed and certified materials. The module is in fact made of solar cells encapsulated between sheets of ethylene vinyl acetate (EVA), highly transparent, antishock, **tempered glass** which protects the module against mechanical and climatic effects, such as hail, ice etc...

The white tedlar back sheet contributes to a further protection of the module and the electrical contacts against the action of climatic agents like humidity.

Furthermore the **strong anodized aluminium frame** with corners and 8 pre-drilled mounting holes makes the module extremely easy to install.

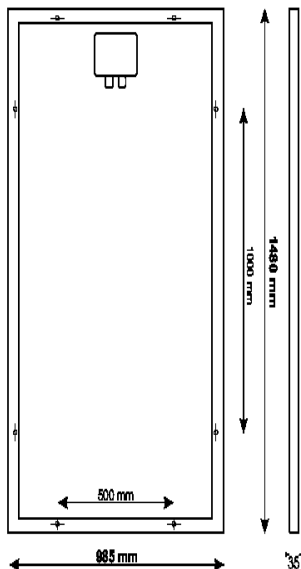
The module is equipped with a special waterproof **junction box Tyco (TÜV Certified)** with protection degree **IP65**, with two connector plugs and by-pass diodes which protect the module against "hot spot" effects.

This module can be used especially in domestic uses, road signalling, photovoltaic roofs.

Tyco cables for modules connections are available on request.

**Power module Warranty 80% 25 years**

**This module is manufactured in accordance to CE/IEC 61215 specifications**  
**CE**



| Electrical and technical data                |                             |            |            |
|--|-----------------------------|------------|------------|
| (STC: 1000 W/m <sup>2</sup> - 25°C - AM 1,5) |                             |            |            |
| Models                                       | IS140                       | IS145      | IS150      |
| Peak power (Wp)                              | Watts 140                   | Watts 145  | Watts 150  |
| Current at maximum power (Imp)               | Amps 7                      | Amps 7,2   | Amps 7,5   |
| circuit current (Isc)                        | Amps 7,6                    | Amps 7,7   | Amps 7,9   |
| Open circuit voltage (Voc)                   | Volts 24,4                  | Volts 24,5 | Volts 24,8 |
| Voltage at maximum power (Vmp)               | Volts 20                    | Volts 20   | Volts 20   |
| Nominal operative cell temp. (NOCT)          | °C 46 (±2)                  |            |            |
| Maximum system voltage                       | Volts 715                   |            |            |
| Temperature range                            | °C-40 to +90                |            |            |
| Hail resistance and impact speed             | up to 28mm / 90 km/h        |            |            |
| Surface pressure and wind speed              | n/sqm 2400 / hasta 200 km/h |            |            |
| Relative humidity                            | hasta 100%                  |            |            |
| Dimensions                                   | mm 1645 x 675 x 35 (±2mm)   |            |            |
| Weight                                       | Kg15                        |            |            |
| Tolerance on technical data                  | ±5%                         |            |            |
| Temperature coefficient (β)                  | mV/°C-85                    |            |            |

Bachsoleil sas reserves the right to change the module features without notice.



**Bach "Soleil"**

**Systems - Series IS150P**

| Models                    | Fp-10             | Fp-14           | Fp-20             | Fp-32           | Fp-66           |
|---------------------------|-------------------|-----------------|-------------------|-----------------|-----------------|
| Power                     | 1,5 Kwp           | 2,1 Kwp         | 3,0 Kwp           | 4,8 Kwp         | 9,90 Kwp        |
| Modules type              | polycrystalline   | polycrystalline | polycrystalline   | polycrystalline | polycrystalline |
| Modules nr.               | 10                | 14              | 20                | 32              | 66              |
| Installation              | Single-phase      | Single-phase    | Single-phase      | Single-phase    | Threephase      |
| Inverter                  | Sunny Boy SB 1700 | Fronius IG20    | Sunny Boy SB 3000 | SMC 5000        | Fronius IG 30   |
| Inverter nr.              | 1                 | 1               | 1                 | 1               | 3               |
| PRICES FREE OUR WAREHOUSE | € 9.850**         | € 14.200**      | € 18.950**        | € 31.800**      | € 59.900**      |

**\*\*Transport and installation excluded**

**PANELS SIZES**

