



Let the Light be Life™

# New PHOTOVOLTAIC MODULES High Power Plus IS4000P

36cells

Istar Solar® photovoltaic modules **IS4000P HIGH POWER PLUS Series** with powers up to **170Wp** are composed of 36 high efficiency monocrystalline cells **156x156mm**, ensuring a high power density in a limited space: up to 175Wp per square meter and therefore an efficiency of **19,6%**.

## CONSTRUCTION FEATURES

<b>Cells</b>	36 high efficiency 3 busbar monocrystalline cells 156x156mm
<b>Encapsulant</b>	EVA (Ethylene vinyl acetate)
<b>Glass</b>	Solar glass, low-iron, transparent, tempered and textured to allow a maximum concentration and diffusion of light on the solar cells, even in low sunlight levels worldwide.
<b>Backside</b>	White multilayer polyester film. It contributes to a further protection of the modules against the action of climatic agents like humidity and dust and provides a total electrical isolation. On-demand modules can be realized with black backsheets.
<b>Frame</b>	Anodized aluminium frame with drainage holes and provided with 8 holes for mounting (certified wheel-base) that allows the modules to be extremely easy to install. On request, the frames can be supplied in the following colours: black, bronze and gold.
<b>Junction box</b>	Tyco waterproof with protection degree IP65, and equipped with 3 by-pass diodes.
<b>Cables and connectors</b>	Tyco. N° 2 cables 4 mm <sup>2</sup> x 1 mt with +/- connectors
<b>Warranty</b>	<b>Power of modules: 90% 12 years - 80% 25 years</b> <b>Product: 10 years</b>



## Modules Certifications

**EUROTEST**  
**TÜV 12-PPV-0000108/07-TIC**  
**TÜV Factory Inspection**

**CEI/EN 61215 Ed.2**  
**CEI/EN 61730 1-2 (2007)**



## Company Certifications



Dasa-Ragister  
EN ISO 14001:2004  
IE-0112-01



Dasa-Ragister  
EN ISO 9001:2008  
IQ-0112-03



Dasa-Ragister  
BS OHSAS 18001:2007  
IS-0112-01

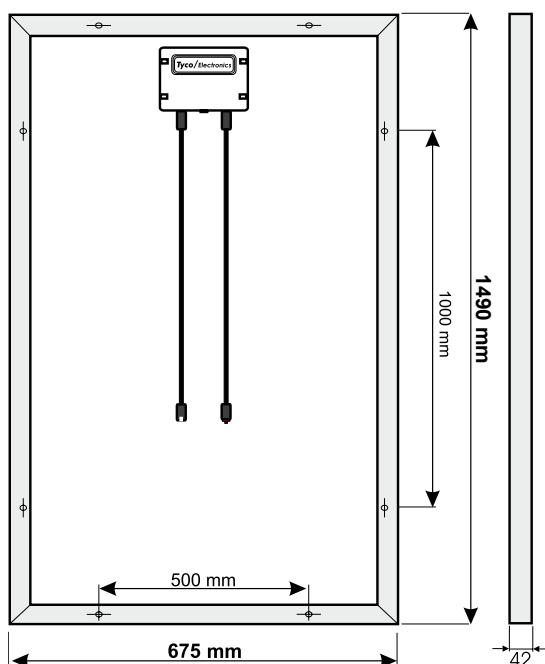


**MADE IN ITALY**

## Electrical and technical data (STC: 1000 W/m<sup>2</sup> - 25°C - AM 1,5)



**EuroTest**  
Certification



	<b>IS4000P</b>
<b>Pmax</b>	<b>170 Wp</b>
<b>Imp</b>	8.54 A
<b>Isc</b>	9.12 A
<b>Voc</b>	23.2 V
<b>Vmp</b>	19.9 V
<b>Cell efficiency</b>	19.6 %
<b>Module efficiency</b>	17 %
<b>NOCT</b>	45 °C
<b>Maximum system voltage</b>	1000 V
<b>Temperature range</b>	-40 a +85 °C
<b>Hail resistance</b>	up to Ø25mm to 83 km/h
<b>Relative humidity</b>	up to 100%
<b>Dimensions</b>	1490 x 675 x 42 mm
<b>Weight</b>	13 Kg con cornice
<b>Power tolerance</b>	± 3%
<b>Temperature coefficient</b>	Isc(α)0,07%/°C - Voc(β)-0,34%/°C - Pmax(γ)-0,45%/°C
<b>Surface load certificate</b>	5400 Pa (5,4kN/sqm)

Datasheet complies with the requirements EN 50380  
Istar Solar® reserves the right to change the features of modules without previous notice

**ISTAR SOLAR® S.r.l.**

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