



# PHOTOVOLTAIC MODULE

## IS75P - IS90P

*36 cells*

Let the Light be Life™



The new photovoltaic modules IS75P - 75Wp and IS90P - 90Wp are composed of 36 high efficiency polycrystalline solar cells 125x125mm produced with the most innovative technologies of isotropic texturization and antireflecting coating.

Istar Solar manufactures top quality modules by using only guaranteed and certified materials.

These modules are 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 particular texturization of the glass enables a maximum concentration and diffusion of the light on the solar cells. This enable us to guarantee very good module performances, power and working conditions even if in lower sunlight levels worldwide.


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 pre-drilled mounting holes makes the module extremely easy to install.

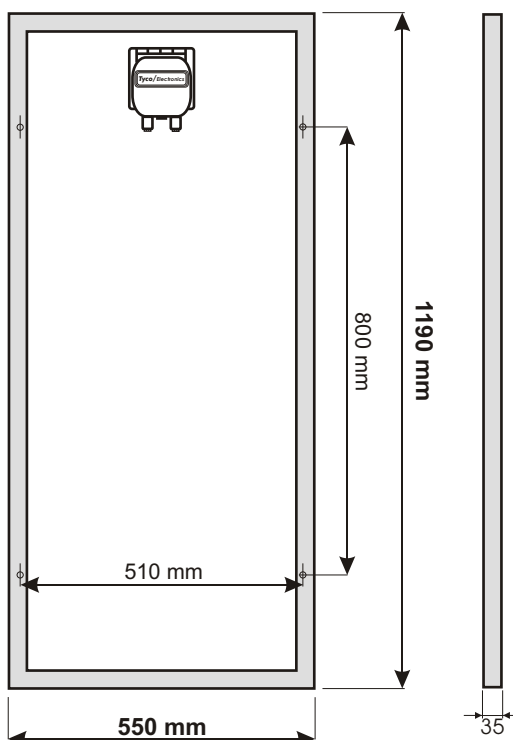
The modules are equipped with a special waterproof junction box Tyco with protection degree IP55, with two connector plugs and two by-pass diodes which protect the module against hot spot effects.

**Certification:**

C01 07C328001 - TÜV 08 PPV 00001/02 TIC  
C02 07C328001 - TÜV 08 PPV 00001/03 TIC

**CE/EN 61215 2<sup>nd</sup> Ed. TÜV**   
**Safety Class II**

Power modules warranty:  
90% 12 years  
80% 25 years  
Product Warranty: 5 years



**Electrical and Technical Data**  
(STC: 1000 W/sqm - 25°C - AM 1,5)

	IS75P	IS90P
Peak power (Wp)	<b>Watts 75</b>	<b>Watts 90</b>
Nominal voltage	Volts 12	Volts 12
Current at maximum power (Imp)	<b>Amps 4,5</b>	<b>Amps 5,1</b>
Short Circuit Current(Isc)	<b>Amps 4,8</b>	<b>Amps 5,4</b>
Open circuit voltage (Voc)	Volts 21	Volts 22,2
Voltage at maximum power (Vmp)	<b>Volts 16,5</b>	<b>Volts 17,5</b>
Nominal operating cell.temp. (NOCT)	°C 45 (±2)	
Maximum system voltage	Volts 1000	
Temperature range	°C da -40 a +85	
Hail resistance and impact speed	fino a 25mm / 90 km/h	
Relatives umidity	fino al 100%	
Dimensions	mm 1190 x 550 x 35 (±2mm)	
Weight	Kg 9,3	
Power tolerance	± 5%	

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