



Let the Light be Life™

# PHOTOVOLTAIC MODULES

## IS75P - IS80P

*36 cells*

Istar Solar® photovoltaic modules **IS75P** and **IS80P** with powers of **75Wp** and **80Wp** are composed of 36 high efficiency monocrystalline cells **156x78mm**. These modules have a nominal voltage of 12V and are specifically designed for stand alone systems.

### CONSTRUCTION FEATURES

<b>Cells</b>	36 high efficiency monocrystalline cells 156x78mm
<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 if 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 provides a total electrical isolation.
<b>Frame</b>	Anodized aluminium frame with drainage holes and provided with 4 holes for mounting (certified wheel-base) that allows the modules to be extremely easy to install.
<b>Junction box</b>	Tyco Waterproof with protection degree IP65, equipped with 2 by-pass diodes.
<b>Cables and connectors</b>	Tyco. Available on request.
<b>Warranty</b>	<b>Power of modules: 90% 12 years - 80% 25 years</b> <b>Product: 10 years</b>



### Modules Certifications

C01 09C328004  
TÜV 12-PPV-0000108/07-TIC  
TÜV Factory Inspection

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

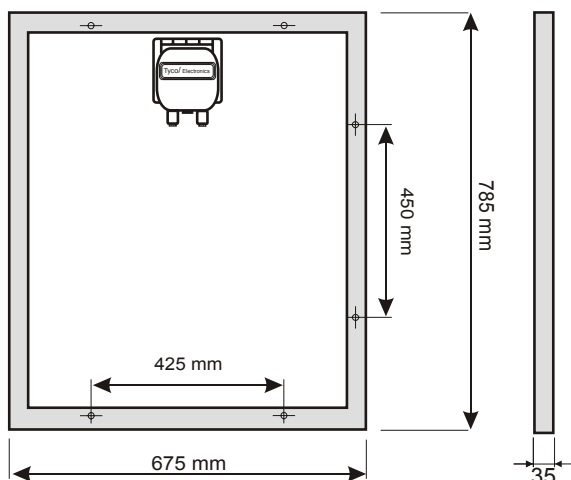


### Company Certifications



MADE IN ITALY

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



	IS75P - 12V	IS80P - 12V
<b>Pmax</b>	<b>75 Wp</b>	<b>80 Wp</b>
<b>Imp</b>	4,05 A	4,23 A
<b>Isc</b>	4,27 A	4,33 A
<b>Voc</b>	22,1 V	22,5 V
<b>Vmp</b>	18,5 V	18,9 V
<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 Ø 25 mm to 83 km/h	
<b>Relative humidity</b>	up to 100%	
<b>Dimensions</b>	785 x 675 x 35 mm (± 2)	
<b>Dimensions of laminate</b>	777 x 667 x 5 mm (± 2)	
<b>Weight</b>	8,3 Kg with frame - 7 Kg laminate	
<b>Power tolerance</b>	± 3%	

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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