



Let the Light be Life™

New PHOTOVOLTAIC MODULE IS30P - IS40P - IS50P

36 cells

Istar Solar® photovoltaic modules **IS30P**, **IS40P** and **IS50P** with powers of **30Wp**, **40Wp** and **50Wp**, are composed of 36 high efficiency monocrystalline cells. These modules have a nominal voltage of 12V and are designed for any kind of stand alone system.

CONSTRUCTION FEATURES

Cells	36 high efficiency monocrystalline cells
Encapsulant	EVA (Ethylene vinyl acetate)
Glass	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.
Backside	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.
Frame	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.
Junction box	Tyco waterproof with protection degree IP65. The 40Wp and 50Wp modules are equipped with 2 by-pass diodes.
Cables and connectors	Tyco. Available on request.
Warranty	Power of modules: 90% 12 years - 80% 25 years Product: 10 years



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)



	IS30P - 12V	IS40P - 12V	IS50P - 12V
Pmax	30 Wp	40 Wp	50 Wp
Imp	1,61 A	2,12 A	2,61 A
Isc	1,70 A	2,25 A	2,97 A
Voc	24,30 V	22,8 V	22,7 V
Vmp	18,60 V	18,9 V	19,2 V
NOCT	45 °C		
Maximum system voltage	1000 V		
Temperature range	-40 a +85 °C		
Hail resistance	fino a Ø 25 mm a 83 km/h		
Relatives humidity	fino al 100%		
Dimensions	350 x 675 x 35 mm (± 2)	785 x 365 x 35 mm (± 2)	675 x 550 x 35 mm (± 2)
Dimensions of laminate	343 x 667 x 5 mm (± 2)	777 x 358 x 5 mm (± 2)	667 x 543 x 5 mm (± 2)
Weight	5 Kg with frame 3 Kg laminate	5,3 Kg with frame 4 Kg laminate	6 Kg with frame 4,5 Kg laminate
Power tolerance	± 3%	± 3%	± 3%

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

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