



Let the Light be Life™

New PHOTOVOLTAIC MODULES IS110P - IS120P

36 cells

Istar Solar® photovoltaic modules IS110P-IS115P-IS120P with powers from **110Wp** to **120Wp** are composed of 36 high efficiency polycrystalline cells **156x125mm**. These modules have a nominal voltage of 12V and are specifically designed for stand alone systems.

CONSTRUCTION FEATURES

Cells	36 high efficiency polycrystalline cells 156x125mm
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 lower sunlight levels worldwide.
Backside	White multilayer polyester film. It contributes to a further protection of modules against the action of climatic agents like humidity and provides a total electrical isolation.
Frame	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.
Junction box	Tyco with protection degree IP65, equipped with 2 by-pass diodes.
Cable and connectors	Tyco. Available on request.
Warranty	Power of modules: 90% 12 years - 80% 25 years Product: 10 years



Modules Certifications

TÜV 11-PPV-0000108/05-W02-TIC
TÜV Factory Inspection

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

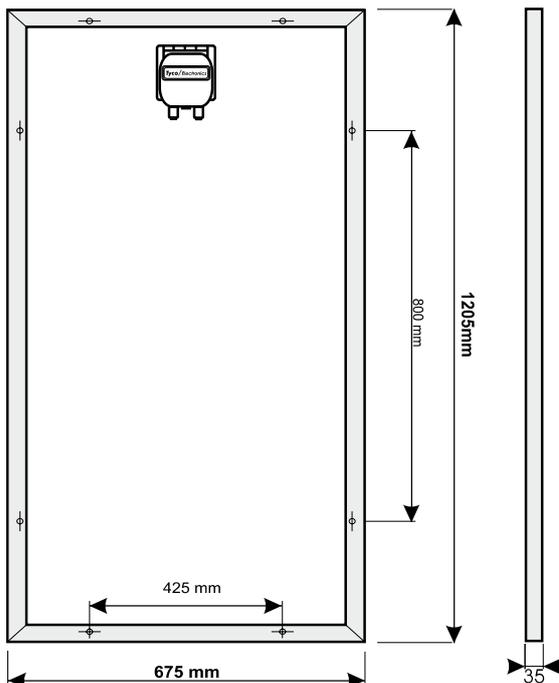


Company Certifications



MADE IN ITALY

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



	IS110P - 12V	IS115P - 12V	IS120P - 12V
Pmax	110 Wp	115 Wp	120 Wp
Imp	6,3 A	6,49 A	6,75 A
Isc	6,8 A	7,2 A	7,35 A
Voc	21,8 V	22,0 V	22,1 V
Vmp	17,6 V	17,7 V	17,8 V
NOCT	45 °C		
Maximum system voltage	1000 V		
Temperature range	-40 a +85 °C		
Hail resistance	up to Ø 25 mm to 83 km/h		
Relatives humidity	up to 100%		
Dimensions	1205 x 675 x 35 mm (± 2)		
Dimensions of laminate	1197 x 667 x 5 mm (± 2)		
Weight	9,3 Kg with frame - 8 Kg laminate		
Power tolerance	± 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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