



Let the Light be Life™

New PHOTOVOLTAIC MODULES High Power Plus IS4000P

54 cells

Istar Solar® photovoltaic modules IS4000P HIGH POWER PLUS Series with powers up to 255Wp are composed of 54 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 17,50%.

CONSTRUCTION FEATURES

Cells	54 high efficiency 3 busbar monocrystalline cells 156x156mm
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 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. On-demand modules can be realized with black backsheet.
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. On request, the frames can be supplied in the following colours: black, bronze and gold.
Junction box	Tyco waterproof with protection degree IP65, and equipped with 3 by-pass diodes.
Cables and connectors	Tyco. N° 2 cables 4 mm ² x 1 mt with +/- connectors
Warranty	Power of modules: 90% 12 years - 80% 25 years Product: 10 years



Modules Certifications

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

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

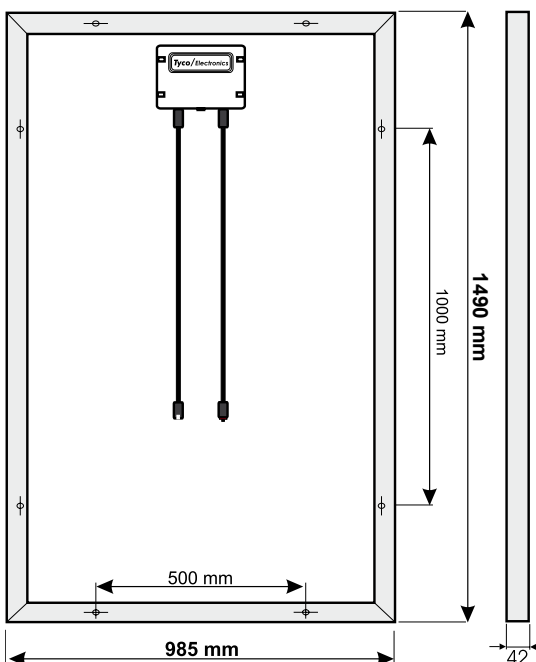


Company Certifications



MADE IN ITALY

Electrical and technical data (STC: 1000 W/m² - 25°C - AM 1,5)



	IS4000P				
	235 Wp	240 Wp	245 Wp	250 Wp	255 Wp
Pmax	235 Wp	240 Wp	245 Wp	250 Wp	255 Wp
Imp	8,18 A	8,31 A	8,39 A	8,46 A	8,54 A
Isc	8,91 A	8,95 A	9,00 A	9,06 A	9,12 A
Voc	34,00 V	34,10 V	34,30 V	34,60 V	34,80 V
Vmp	28,70 V	28,90 V	29,20 V	29,50 V	29,90 V
Cell efficiency	18,40%	18,90%	19,20%	19,40%	19,60%
Module efficiency	16,10%	16,40%	16,80%	17,10%	17,50%
NOCT	45 °C				
Maximum system voltage	1000 V				
Temperature range	-40 a +85 °C				
Hail resistance	up to Ø25mm to 83 km/h				
Relative humidity	up to 100%				
Dimensions	1490 x 985 x 42 mm (±2)				
Dimensions of laminate	1483 x 977 x 5 mm (±2)				
Weight	19 Kg framed - 16 Kg laminate				
Power tolerance	± 3%				
Temperature coefficient	Isc(α)0.07%/°C - Voc(β) -0.34%/°C - Pmax(γ) -0.45%/°C				
Surface load certificate	5400 Pa (5,4kN/m ²)				

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.

Industrial Area Tito Scalco - 85050 Tito Scalco (PZ) ITALY

Tel. +39 0971 485157 Fax +39 0971 651970 E-Mail: info@istarsolar.com Web: www.istarsolar.com