

## POLYCRYSTALLINE SOLAR MODULES

*Solar modules for isolated photovoltaic systems*



The **Polycrystalline Photovoltaic Modules** made by **Zigor** obtain energy directly from the Sun, taking advantage of the solar radiation that falls on the Earth, through the highly efficient use of direct and scattered radiation. It is a clean, renewable form of energy.

### TECHNICAL DESCRIPTION

Polycrystalline Photovoltaic Modules consist of a set of polycrystalline photovoltaic cells made up of sections of a single silicon crystal that produce electricity from the light that falls on these. These use the power of radiation that varies in accordance with the time of day, the atmospheric conditions and latitude.

The Photovoltaic Modules made by Zigor collect direct and scattered radiation either separately or together. The advantages of solar energy as a safe, clean power source and its international presence in commercial and industrial installations, contribute to sustainable development.

### ELECTRICAL CHARACTERISTICS

Nominal power	20Wp	60Wp	110Wp
MPPT voltage	17,2Vdc		
Open circuit voltage	21vdc		
MPPT current	1,15A	3,49A	6,25A
Short-circuit current	1,24A	3,71A	6,6A
Operating temperature	-40 ~ +85°C		
Dimensions	296x641x25	1057x457x35	1066x811x40
Approximate weight	2,4Kg	6Kg	12Kg
Temperature coefficients with cells %/°C			
Efficiency (Pm)	-0,4%		
Load voltage (VAC)	-0,38%		
Short-circuit current (Isc)	+0,04%		

### ADVANTAGES

- In-factory quality control
- Supervision of shipments
- Replacement of faulty material without cost
- Clean, safe energy source
- Sustainable development
- High-quality modules:  
TÜV Certificate  
ROHS Certificate

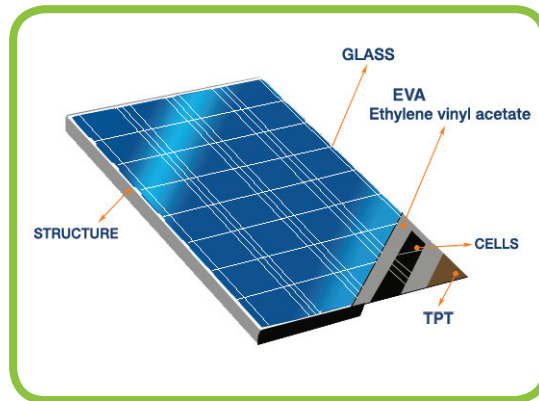


### APPLICATIONS

- Modules for isolated applications

## CONSTRUCTION CHARACTERISTICS

Type of cell	Polycrystalline
Efficiency	16% ( $\pm 1\%$ )
Cell dimensions	125x125mm $\pm 0.5$
Type and thickness of glass	Tempered 3.2mm
Laminate	EVA (ethylene vinyl acetate)
Certifications	CE, ROHS
	IEC 61215, IEC 61730



## CONSTRUCTION CHARACTERISTICS

Module dimensions (AxBxC)	296x64x25 mm	1057x457x35	1066x811x40
Weight (kg)	2,4	6,6	11,8

