

Tolerance 0 / +3%



External insurance
European production



Photovoltaic

Glass-glass / GEPV Monocrystalline 220 / 225 / 230 / 245 W

The Eurener glass-glass GEPV solar module is suitable for architectural integration.

They are highly efficient and reliable. They are composed of 60 monocrystalline silicon cells.

GEPV glass-glass modules, depending on the model type, range power of 220Wp, 225Wp, 230Wp and 245Wp. They are IEC 61215 and IEC 61730 certified.

In addition, the GEPV has positive tolerance in its nominal power, which assures an improvement in the relation €/W.

The latest generation of machines with which Eurener manufactures provides precision, high reliability and high performance in all modules. In welding phase Pb-free bus bar is used, which contributes to environmental conservation.

Guarantees

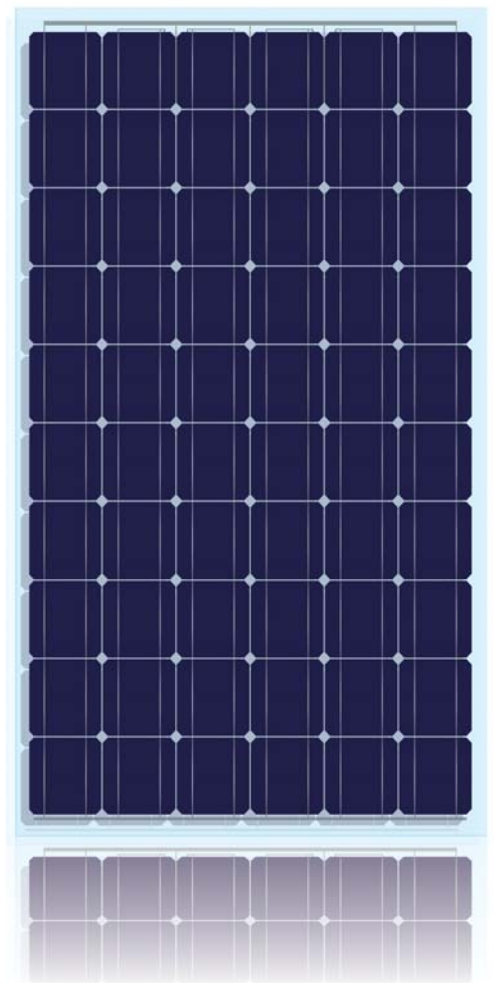
- External insurance
- 10 years product's warranty
- 90% nominal power: up to 12 years
- 80% nominal power: up to 25 years

Nominal power tolerance

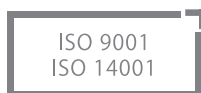
- Positive tolerance in all the models: 0 / +3%

Certificates

- IEC 61215 - TÜV Rheinland
- IEC 61730 - TÜV Rheinland
- Frontal load 5.4 kPa, for snow and ice
- Wind resistance 2.4 kPa



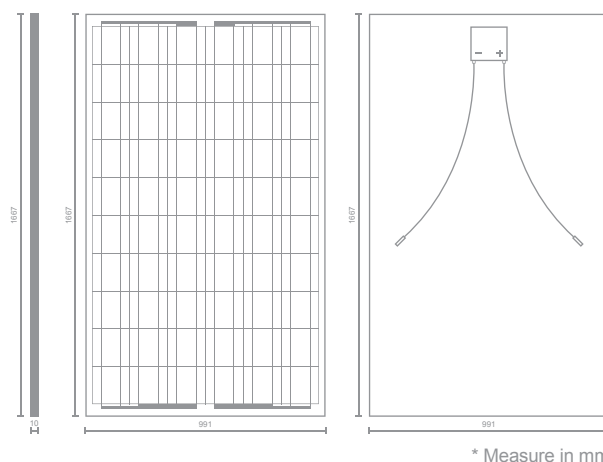
Member of:





Technical features

Connection box
Sealed, robust and wide for heat dissipation
IP65 according to IEC 60529
Diodes by-pass built-in (3) for protection of the partial shading
Connectors MC3 and MC4, easy and rapid connection
Cables 1.0 meter length and 4mm ² section
Inflammable capacity in accordance with UL 94-5V
Frontal
Tempered glass
Textured, extra-clear, with low iron content
Solar cells
60 cells, monocrystalline silicon 6,2" (156x156 mm)
Encased cells
EVA (ethylen-vinyl-acetate)
Packaging
Pallet of 25 modules
Approved by AIDIMA (independent Institute)
Overcome horizontal impact, rotational fall and dynamic compression testing



Dimensions and weight
1667 x 991 x 10 mm / (L x W x D) +/- 2 mm
33 Kg

Electric data

Glass-glass	GEPV 220	GEPV 225	GEPV 230	GEPV 245
Nominal power, P _{mpp}	220 W	225 W	230 W	245 W
Positive tolerance, P _{mpp}	0 / +3%	0 / +3%	0 / +3%	±3%
Area of the module	1,67	1,67	1,67	1,67
Module efficiency	13,16%	13,46%	13,78%	14,67%
I _{sc}	8,12 A	8,26 A	8,41 A	8,76 A
U _{oc}	36,60 V	36,78 V	36,90 V	37,24 V
I _{mpp}	7,52 A	7,67 A	7,83 A	8,21 A
U _{mpp}	29,27 V	29,36 V	29,44 V	29,85 V
Maximum voltage	1000 V	1000 V	1000 V	1000 V
α I _{sc}	0,045% / °C	0,045% / °C	0,045% / °C	0,045% / °C
β U _{oc}	- 0,53% / °C	- 0,53% / °C	- 0,53% / °C	- 0,53% / °C
γ P _{max}	- 0,38% / °C	- 0,38% / °C	- 0,38% / °C	- 0,38% / °C
Temperature range	- 40°C / +85°C			
NOCT	47°C ± 2°C			

These values are valid for: 1000W/m², AM 1.5 and cell's temperature of 25°C. All the values are subject to manufacturing tolerance, and may be amended without notice by Eurener.
NOTE: Read the instruction manual of this product and follow the indications.