

Maximum efficiency
European production



Photovoltaic

Standard PEPV Polycrystalline 180 / 185 / 190 W

Standard photovoltaic modules are highly efficient and reliable. They are composed of 48 polycrystalline silicon cells, framed in anodized aluminium with 4,2 mm tempered glass which guarantee high durability.

Standard modules, depending on the model type, range power of 180Wp, 185Wp and 190Wp. They are IEC 61215 and IEC 61730 certified, as well as 12 years product's warranty and 25 years nominal power warranty. The latest generation of machines with which Eurener manufactures provides precision, high reliability and high performance in all modules.

In its production processes Eurener uses materials and manufacturing methods that respect the environment.

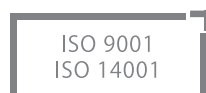


Guarantees

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

Certificates

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



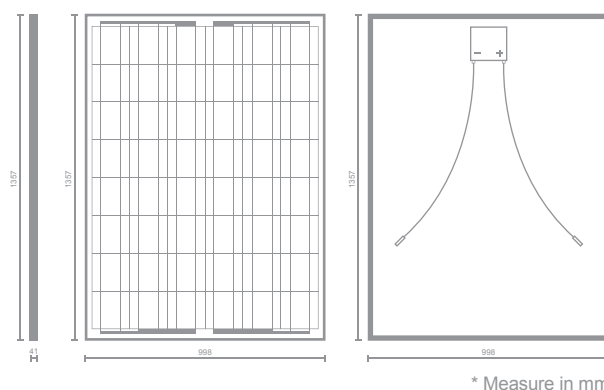
Member of:





Technical features

Frame
Silver anodized aluminium
Robust and resistant to corrosion
Water drainage orifices
Built-in plug
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
Connector MC4, easy and rapid connection
Cables 1.0 meter length and 4mm ² section
Inflammable capacity in accordance with UL 94-5V
Frontal
4,2 mm tempered glass
Textured, extra-clear, with low iron content
Solar cells
48 cells, polycrystalline silicon 6,2" (156x156 mm)
Encased cells
EVA (ethylen-vinyl-acetate)



Dimensions and weight
1357 x 998 x 41 mm / (L x W x D) +/-2 mm
18,5 Kg
Packaging
Pallet of 25 modules
Approved by AIDIMA (independent Institute)
Overcome horizontal impact, rotational fall and dynamic compression testing

Electric data

Standard	PEPV 180	PEPV 185	PEPV 190
Nominal power, P _{mpp}	180 W	185 W	190 W
Tolerance, P _{mpp}	±3%	±3%	±3%
Area of the module	1,35	1,35	1,35
Module efficiency	13,30%	13,67%	14,04%
I _{sc}	8,28 A	8,43 A	8,47 A
U _{oc}	29,52 V	29,66 V	29,90 V
I _{mpp}	7,73 A	7,90 A	8,01 A
U _{mpp}	23,29 V	23,42 V	23,72 V
Maximum voltage	1000 V	1000 V	1000 V
α I _{sc}	0,08% / °C	0,08% / °C	0,08% / °C
β U _{oc}	- 0,33% / °C	- 0,33% / °C	- 0,33% / °C
γ P _{max}	- 0,43% / °C	- 0,43% / °C	- 0,43% / °C
Temperature range	- 40°C / +85°C		
NOCT	44°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.