



## MEPV 230 - 250W

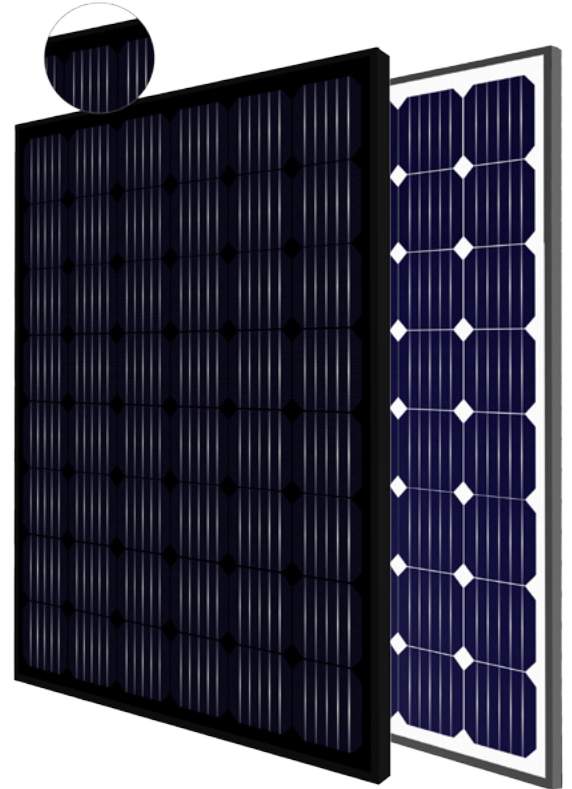
Covered cell interconnections | 5 Busbar | IP68

### Quality

- / IP68
- / Electroluminescence test
- / Friendly environment & recyclable materials
- / High transmissivity glass and high resistance
- / Frame with higher mechanical strength and air chamber

### Certificates

- / IEC 61215:2005
- / IEC 61730-1:2004 / IEC 61730-2:2004
- / Frontal load (snow) 5.400 Pa
- / Back load (wind) 2.400 Pa
- / Fire Resistance Certificate
- / Class I (under standard UNI 9177)
- / EE016-20130528-001 (France)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA-Canada)
- / VKF-AEAI compliance (Switzerland)
- / MCS (UK)
- / SundaHus
- / ETN



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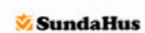
YEARS PRODUCT WARRANTY

25

YEARS PERFORMANCE WARRANTY

PHOTON Laboratory talks about our modules:

*"Eurener is one of the oldest module manufacturers in Europe: the Spanish company was founded in 1997. [...] Is distinguished by having values that are over the average: the temperature coefficient is quite better than other modules that are in the test field. The curve behavior at different irradiance conditions shows a marked efficiency increase in radiations from medium to high, and a slight drop in efficiency at low irradiance conditions. These factors show that this module could reach higher performance than the average in long-term measurements."*



# SUPERIOR 48

Monocrystalline Standard - All Black / 230 / 240 / 250 W

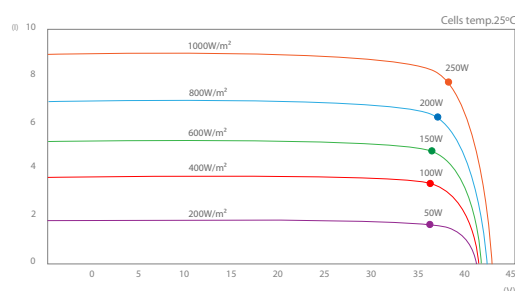
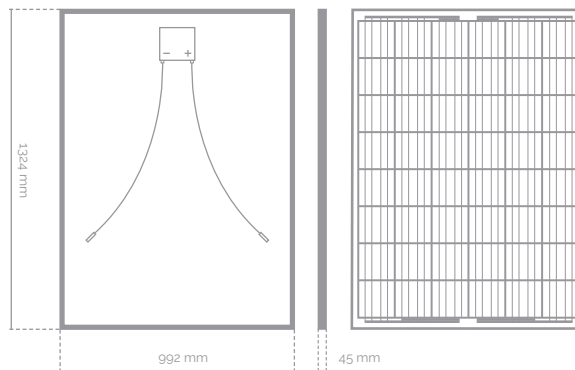


EUROPEAN QUALITY

eurener  
energía solar

### Technical features

Frame
Black / Silver anodized aluminium 0,015 mm
Covered cell interconnections
Robust and resistant to corrosion
Built-in plug
Connection box
Sealed, robust and wide for heat dissipation
IP68 according to IEC 60529
Diodes by-pass built-in (3/6) for protection of the partial shading
Connector MC4 or compatible, easy and rapid connection
Cables 1 meter (±0,1m) length and 4mm <sup>2</sup> section
Fire Class I approval (UNI 9177)
Frontal
3,2 mm tempered glass
Textured, extra-clear with low iron content
Solar cells
48 cells monocrystalline silicon / 156x156 mm
Weight, dimensions and packaging
15 Kg   1324 x 992 x 40mm(+/-1%)   Packaging: 924 pcs-truck



4 x 250W = 1Kw  
 Minimum space  
 Maximum power

### Electric data

Standard - All Black	MEPV 230	MEPV 240	MEPV 250
Nominal power, P <sub>mp</sub>	230 W	240 W	250 W
Tolerance, P <sub>mp</sub>	0 / +5W	0 / +5W	±3W
Area of the module		1,31	
Module efficiency	17,56%	18,32%	19,08%
I <sub>sc</sub>	9,62 A	9,78 A	9,96 A
U <sub>oc</sub>	31,60 V	32,00 V	32,50 V
I <sub>mp</sub>	9,18 A	9,24 A	9,30 A
U <sub>mp</sub>	25,05 V	25,97 V	26,88 V
Maximum voltage		1000 V	
α I <sub>sc</sub>		0,04% / °C	
β U <sub>oc</sub>		- 0,35% / °C	
γ P <sub>max</sub>		- 0,44% / °C	
Temperature range		- 40°C to +85°C	
NOCT		45°C ± 2°C	

NOTE: Read the instruction manual of this product and follow the indications. Values are valid for: 1000W/m<sup>2</sup>, AM 1.5 and cell's temperature of 25°C. Measurement tolerance ±3%  
 All the information of this brochure may be amended without notice by Eurener.