

Quality

- / Subjected to test electroluminescence
- / IP65 + 1 m cable
- / High transmissivity glass and high resistance
- / Frame with higher mechanical strength and air chamber
- / Friendly environment & recyclable materials

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)
- / MCS (UK)
- / EE016-20130528-001 (France)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA-Canada)



Extra power
extra up to 3%
extra up to 7W

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".



MEPV - Monocrystalline

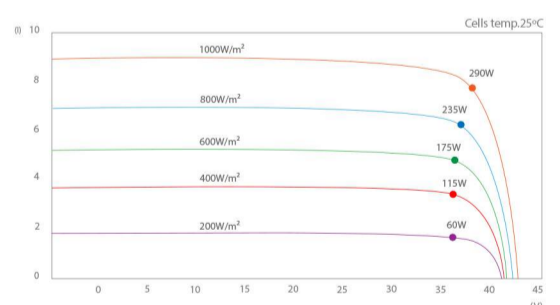
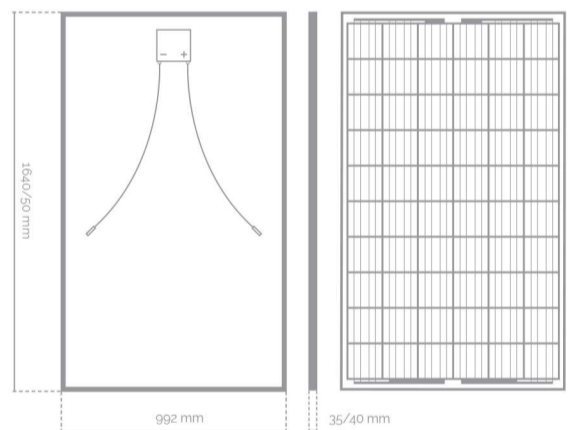
Standard - All Black / 280 / 290 / 300 W

25 years performance warranty
15 years warranty product



Technical features

Frame	
Black / Silver anodized aluminium 0,015 mm	
Robust and resistant to corrosion	
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 or compatible, easy and rapid connection	
Cables 1 meter length and 4mm ² section	
Reaction to Fire Class I (conformity to UNI 9177 norm)	
Frontal	
3,2 mm tempered glass	
Textured, extra-clear with low iron content	
Solar cells	
60 cells monocrystalline silicon / 156x156 mm	
Weight and dimensions (L x W) +/-1% mm	
20 Kg 1640/50 x 992 x 35/40 mm	



Electric data

Standard - All Black	MEPV 280	MEPV 290	MEPV 300
Nominal power, P _{mpp}	280 W	290 W	290 W
Tolerance, P _{mpp}	0 / +3%	0 / +3%	0 / +3%
Area of the module		1,62	
Module efficiency	17,28%	17,90%	18,52%
I _{sc}	9,03 A	9,18 A	9,24 A
U _{oc}	39,91 V	40,59 V	40,85 V
I _{mpp}	8,91 A	9,12 A	9,31 A
U _{mpp}	31,43 V	31,80 V	32,22 V
Maximum voltage		1000 V	
α I _{sc}		0,042% / °C	
β U _{oc}		- 0,20% / °C	
γ P _{max}		- 0,40% / °C	
Temperature range		- 40°C to +85°C	
NOCT		44°C ± 2°C	

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

