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EnergyPal

Solar Panel Guide Specification Data Sheet

Eurener Group MEPV Total Black 300W MEPV 300

Also available on the web at
EnergyPal.com/eurener-group-solar-panels/mepv-300



Total Black MEPV 300W

MEPV 300W

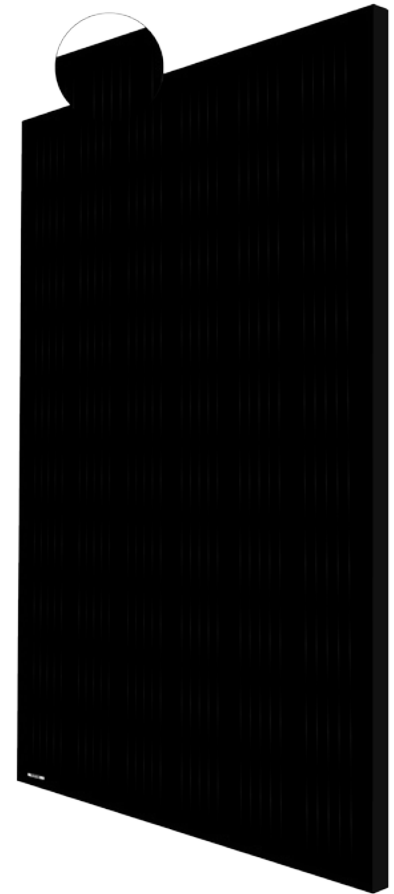
Black cell interconnections | Black Busbar | Black frame

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



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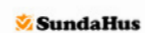
YEARS PRODUCT WARRANTY

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."



TOTAL BLACK

Monocrystalline 300 W



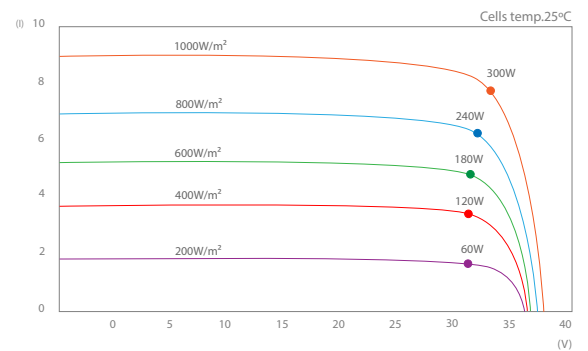
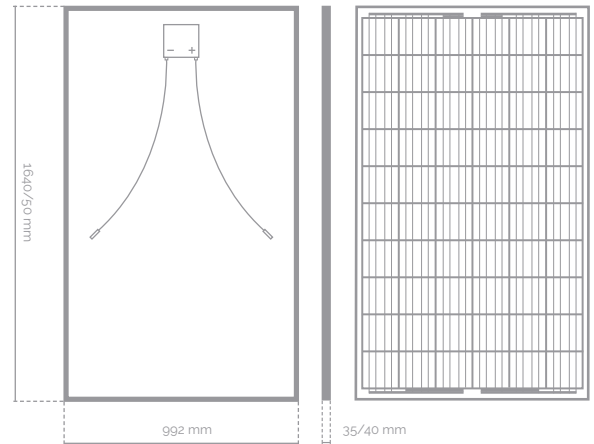
UROPEJSKA JAKOŚĆ

eurener
energía solar



Technical features

Frame
Black anodized aluminium 0,015 mm
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
Cables 1 meter (±0,1m) length and 4mm ² section
Fire Class I approval (UNI 9177)
Frontal
3,2 mm tempered glass
Textured, extra-clear with low iron content
Solar cells
60 cells monocrystalline silicon / 156x156 mm
Weight, dimensions and packaging
19 Kg 1640 x 992 x 40mm(+/-1%) Packaging: 784 pcs-truck
19 Kg 1650 x 992 x 35mm(+/-1%) Packaging: 896 pcs-truck



Electric data

Standard - All Black	MEPV 300
Nominal power, P _{mpp}	300 W
Tolerance, P _{mpp}	0 / +5W
Area of the module	1,62
Module efficiency	18,52%
I _{sc}	9,89 A
U _{oc}	39,75 V
I _{mpp}	9,37 A
U _{mpp}	32,02 V
Maximum voltage	1000 V
I _{sc}	0,05% / °C
U _{oc}	- 0,29% / °C
g P _{max}	- 0,39% / °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. Measurement tolerance +/3%
All the information of this brochure may be amended without notice by Eurener.