

For a Free Quote:

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EnergyPal

Solar Panel Guide Specification Data Sheet

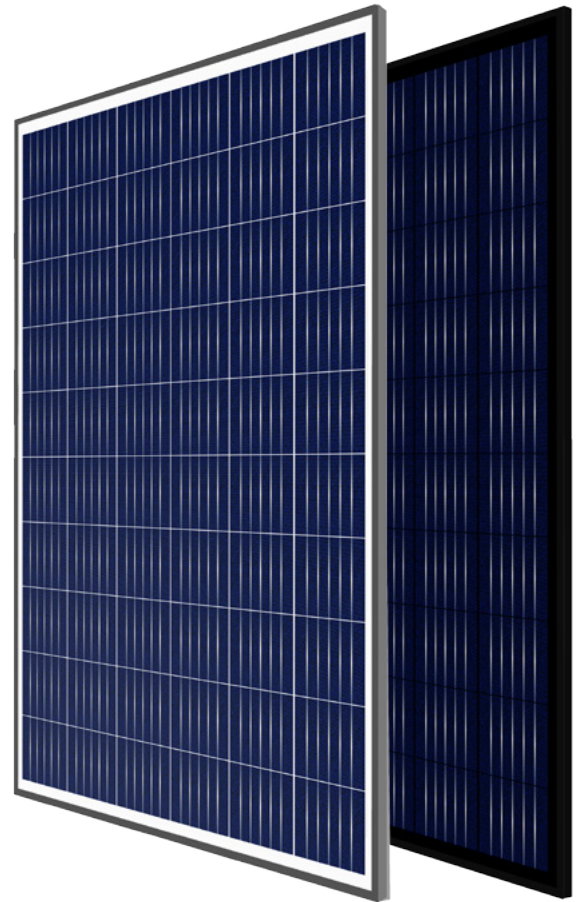
Eurener Group PEPV SUPERIOR 270-285W PEPV 280

Also available on the web at
EnergyPal.com/eurener-group-solar-panels/pepv-280



PEPV 270 - 285W

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

15

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. ... It 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."



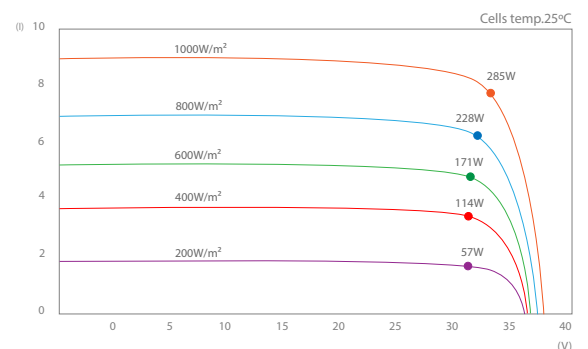
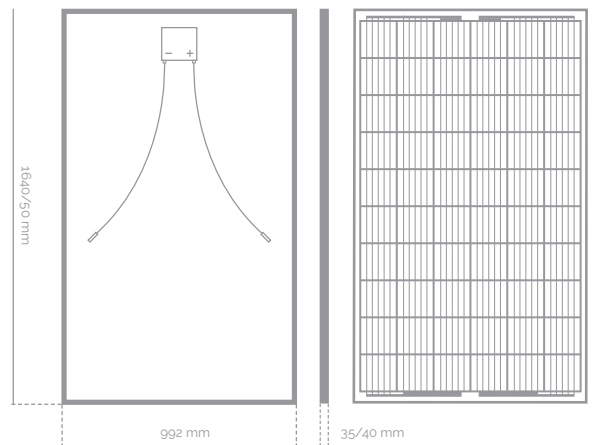
SUPERIOR

Polycrystalline Standard - All Black / 270 / 275 / 280 / 285 W



Technical features

Frame
Black / Silver anodized aluminium 0,015 mm
Covered cell interconnections (Only in black)
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 ($\pm 0,1$ m) 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 polycrystalline 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	PEPV 270W	PEPV 275W	PEPV 280W	PEPV 285W
Nominal power, P _{mp}	270W	275W	280W	285W
Tolerance, P _{mp}	0 / +5W	0 / +5W	0 / +5W	±3W
Area of the module	1,62			
Module efficiency	16,67%	16,98%	17,28%	17,59%
I _{sc}	9,12 A	9,16 A	9,25 A	9,31 A
U _{oc}	38,61 V	38,69 V	39,10 V	39,38 V
I _{mp}	8,61 A	8,73 A	8,85 A	8,97 A
U _{mp}	31,36 V	31,50 V	31,65 V	31,77 V
Maximum voltage	1000 V			
I _{sc}	0,05% / °C			
U _{oc}	- 0,32% / °C			
g P _{max}	- 0,41% / °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.