

European production

15 years of experience

12 years warranty product



Photovoltaic

MEPV - Monocrystalline

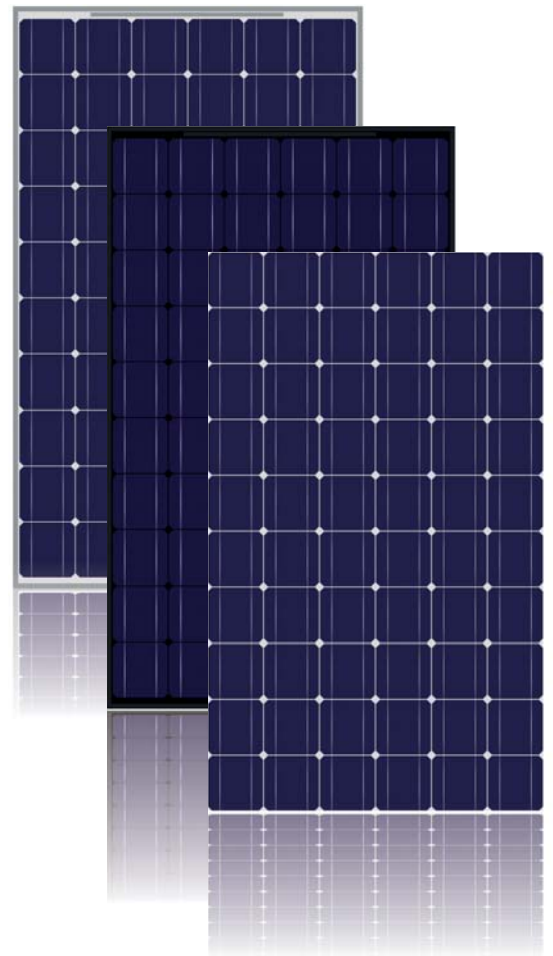
Standard / All Black / Laminated 214 / 220 / 225 / 230 / 235 / 240 / 245 / 250 W

Quality

- Ultra-modern production line with Meyer Burger Group technology
- Individual electrical testing by cell sorter
- High transmissivity glass 4 mm thick
- Frame with air chamber for higher mechanical strength
- Anodized aluminum of 0,015 mm thick
- Friendly environment materials and production process

Certificates

- Factory Inspection (GSE Dec. 2011)
- IEC 61215:2005
- IEC 61730-1:2004 / IEC 61730-2:2004
- Frontal load (snow) 5.400 Pa
- Back load (wind) 2.400 Pa
- C class fire resistance
- ISO 9001 / ISO 14001
- OHSAS 18001



12 Warranty product
12 years for product
15 years of experience

25 Lineal performance warranty
high performance
25 years of warranty

Resistance
4 mm glass antireflective
anti hot-spot

+3% 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".

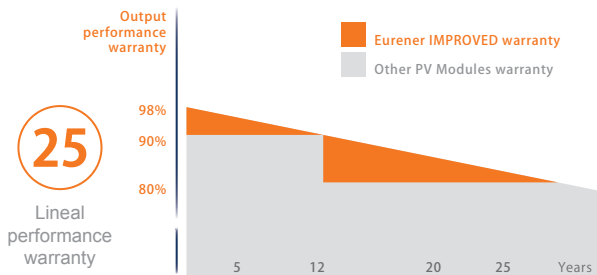
May 2012, Photon



Member of:



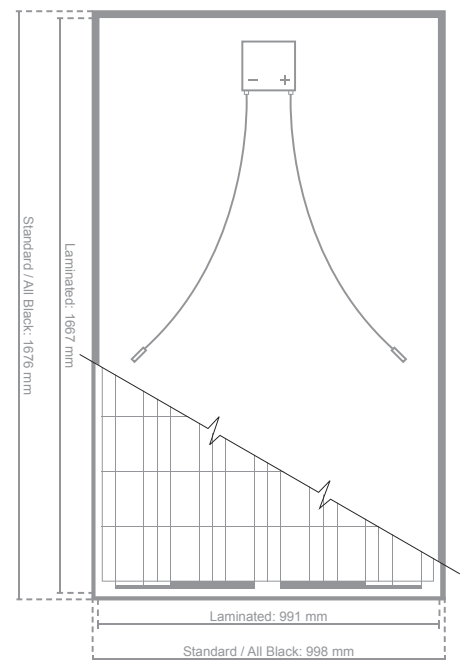
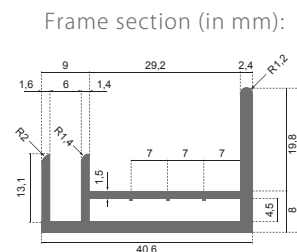
www.eurener.com



Technical features

Frame (saving laminated module)
Silver anodized aluminium 0,015 mm
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 mm tempered glass
Textured, extra-clear, with low iron content
Solar cells
60 cells monocrystalline silicon / 6,2" / 156x156 mm
Encased cells
EVA (ethylen-vinyl-acetate)

Weight and dimensions (L x W x D) +/-2 mm
Standard / All Black: 22 Kg 1676 x 998 x 41 mm
Laminated: 18,5 Kg 1667 x 991 x 5,8 mm
Packaging
Pallet of 25 modules approved by AIDIMA (independent Institute)
Overcome horizontal impact, rotational fall and dynamic compression testing



Electric data

Standard / All Black / Laminated	MEPV 214	MEPV 220	MEPV 225	MEPV 230	MEPV 235	MEPV 240	MEPV 245	MEPV 250
Nominal power, P _{mpp}	214 W	220 W	225 W	230 W	235 W	240 W	245 W	250 W
Tolerance, P _{mpp}	0 / +3%	0 / +3%	0 / +3%	0 / +3%	0 / +3%	0 / +3%	0 / +3%	±3%
Area of the module	1,67 / 1,67 / 1,65							
Module efficiency	12,80%	13,16%	13,46%	13,78%	14,08%	14,35%	14,67%	14,95%
I _{sc}	7,94 A	8,12 A	8,26 A	8,41 A	8,52 A	8,47 A	8,76 A	8,70 A
U _{oc}	36,42 V	36,60 V	36,78 V	36,90 V	37,08 V	37,56 V	37,24 V	37,47 V
I _{mp}	7,33 A	7,52 A	7,67 A	7,83 A	7,92 A	8,01 A	8,21 A	8,30 A
U _{mp}	29,20 V	29,27 V	29,36 V	29,44 V	29,73 V	29,79 V	29,85 V	30,12 V
Maximum voltage	1000 V							
α I _{sc}	0,045% / °C / 0,08% / °C / 0,045% / °C							
β U _{oc}	- 0,53% / °C / -0,34% / °C / - 0,53% / °C							
γ P _{max}	- 0,38% / °C / -0,44% / °C / - 0,38% / °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.