



Power range:
from 300 to 320 Wp



Positive tolerance:
from 0 to +4,99 Wp



Frame color range:
Black



Backsheet color range:
Black



Frame:
anodised or painted aluminium



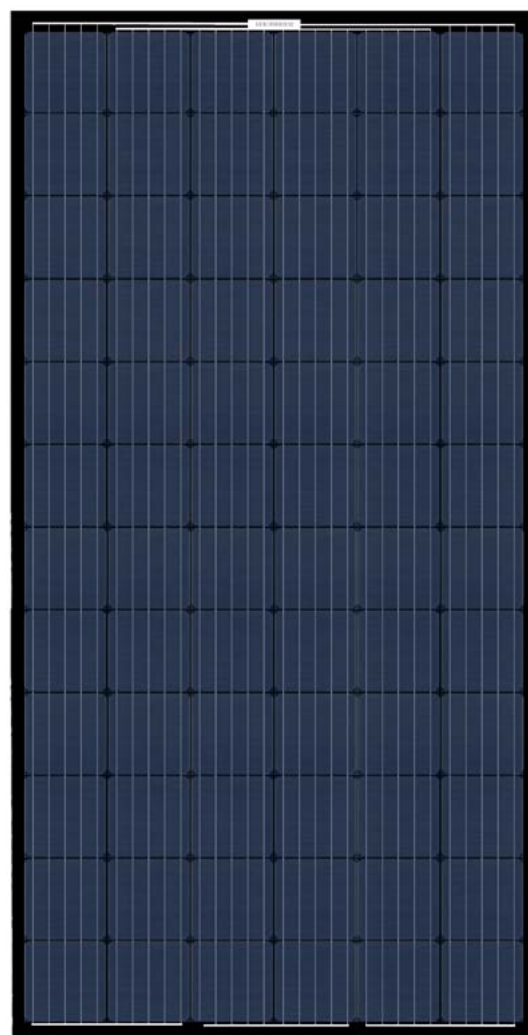
Fire resistance:
class of reaction to fire 1 (UNI 9177)



Warranty:
12 year against manufacturing defects



Cell and color:
5BB Polycrystalline - Standard



Specifications

- Use of tempered glass anti-glare with low iron content and high quality for optimum light collection.
- Aluminum frame in black which provides solidity and sturdiness to withstand constant loads and climatic stresses such as snow and ice with applied pressure max 5,4kN/m²
- NOCT = 45°C
- Temperature range from -40°C a 85°C
- Mechanical load on surface max 550 kg/m²
- Hail impact resistance ø 25mm a 86 km/h

System certifications

- Corporate Quality Management EN ISO 9001:2008
- Environmental Management EN ISO 14001:2004
- Management of Health and Safety at the Workplace BS/OHSAS 18001:2007
- Certificates issued by TUV Rheinland ID:9105084080

Product certifications

- IEC 61215:2005
- EN 61730-1/-2:2007
- Class of reaction to fire I (UNI 9177)
- Anti-corrosion saline IEC 61701
- Anti-corrosion ammonia IEC 62716
- PID Free - Classe A
- Safety class II
- Factory Inspection
- Production "made in Italy"
- EC Directives: EMC 2004/108/EC; 2006/95/EC low Voltage

Measures VE172PVPB Poly Black

• Length	1980	mm
• Width	1000	mm
• Height	40	mm
• Weight	21,5	kg
• Frame	Aluminum frame in black	
• Glass thickness	3,2	mm

Guarantees

- 12 year warranty against manufacturing defects*
- 25 year linear warranty to 82.5% of the maximum declared power*

*If used and installed according to technical and operational instructions. The Company reserves the right to make changes to product specifications. This data sheet corresponds to the requirements of Standard EN50380. Rel.1 03/2019

Behavior in standard test conditions STC*

Power class (maximum value)	P_{max}	300 Wp	305 Wp	310 Wp	315 Wp	320 Wp
Efficiency	η	15,15 %	15,40 %	15,66 %	15,91 %	16,16 %
Open-circuit voltage	V_{oc}	45,52 V	45,54 V	45,55 V	45,61 V	45,64 V
Short-circuit current	I_{sc}	8,67 A	8,77 A	8,90 A	9,01 A	9,18 A
Maximum power voltage	V_{mp}	37,03 V	37,05 V	37,05 V	37,29 V	37,43 V
Current at maximum power	I_{mp}	8,14 A	8,25 A	8,40 A	8,48 A	8,58 A

* Note - Under standard conditions: Irradiation 1000 W/mq - Module temperature = 25°C - Air mass AM 1,5

Measurement tolerance solar simulator class A (- / + 2%) in accordance with IEC 60904-9

Materials used

Cells per module	72
Cell type	5BB Polycrystalline
Cell size	156,75 mm x 156,75 mm
Front side	Anti-glare tempered glass (EN 12150)
Backsheet color	Black

Parameters for optimal integration into the system

Maximum system voltage class II	1000 V
Load capacity of reverse current	15 A
High snow loads (standard IEC 61215)	max 5,4 kN/m ²
Number of bypass diodes	3

Thermal characteristics

NOCT**	45 +/- 2°C
TC I_{sc}	0,046 %/°C
TC U_{oc}	-0,303 %/°C
TC P_{mpp}	-0,427 %/°C

**Note - Under NOCT conditions: Irradiation 800 W/mq - Module temperature = 45°C - Air mass AM 1,5

More Info

Sorting tolerance P_{max}	0/+4,99 W
Type of protection (IP)	IP65
Connector	MC4
Cable	Solar cable 4mm ² - Length 1,2m

