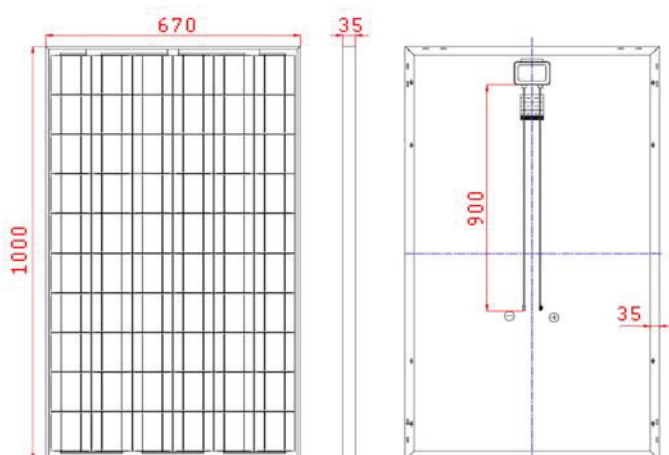


Polycrystalline PV module


IEC 61215 Ed.2



IEC 61730

Specifications

Cells	Polycrystalline silicon solar cells 156x104mm
Number of cells	36
Dimensions (mm)	1000 x 670 x 35
Weight (kg)	8

Electrical Characteristics

 Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Max Power P _m (W)	90	Cell Efficiency (%)	15.40
Max Power Voltage V _m (V)	21.6	Module Efficiency (%)	13.40
Max Power Current I _m (A)	5.13	Maximum System Voltage (V)	DC 1000 (TÜV)
Open-Circuit Voltage V _{oc} (V)	17.57	Power Tolerance (%)	+3
Short-Circuit Current I _{sc} (A)	5.65	Series Fuse Rating (A)	12

Components & Mechanical Data

Front Glass	High Transparency Tempered Glass, 3.2mm
Junction Box	Pass the TUV Certificate PPO(black/IP65)
Output Cables	4mm ² /0.9m
Connectors	MC4(UV resistance and self-locking/IP67)
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA (0.50 ± 0.03mm thickness)
Back Foil	White TPT (0.32 ± 0.03mm thickness)
Fixing adhesive	Silicone Sealant(White)
Temperature Range(°C)	-40°C to +90°C
Max Load(Kpa)	2.4 wind load / 5.4 snow load

Temperature Coefficients

NOCT (°C)	47±2
Temperature Coefficient of P _m (%/°C)	-0.47±0.05
Temperature Coefficient of I _{sc} (%/°C)	0.04±0.01
Temperature Coefficient of V _{oc} (%/°C)	-0.38±0.02

Note

- STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5
- Nominal Operating Cell Temperature above data is only for reference
- Deviation of V_m(V), I_m(A), V_{oc}(V) and I_{sc}(A) of ±10%

Guarantee

- 5-year product guarantee
- 10-year performance guarantee at 90% power output
- 25-year performance guarantee at 80% power output

Contact us

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