

VG- P205 – 225W

POLYCRYSTALLINE SOLAR MODULE

Characteristics & Performance

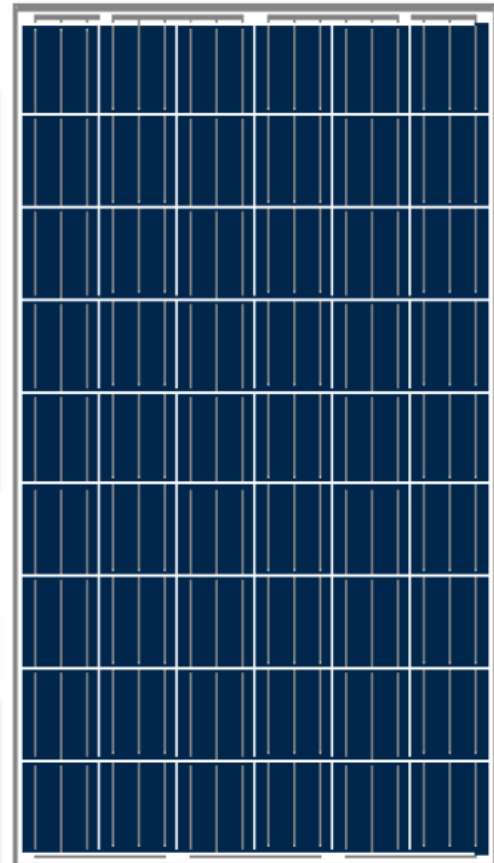
- Use of only certified materials at highest quality standards.
- The process of cell and module production is fully automated with 100% quality control and product traceability.
- Heavy load mechanical resistance: TUV certified (5400 Pa tested against snow and 2400 Pa tested against wind).
- Excellent performance even during low solar radiation.
- Guaranteed positive tolerance -3 to +3% of power for each module.

Quality & Environmental Certificates

- ISO 9001 quality standards and ISO 14001 environmental standards.
- OHSAS 18001 occupational health and safety standards.
- IEC 61215 and IEC 61730 Class A certifications.
- Conformity to CE.

25 Year Linear Power Guarantee

- Commercial – 12 years on material and manufacturing defects
- Performance
 - Power not less than 90% of power peak during 10 years
 - Power not less than 80% of power peak during 25 years

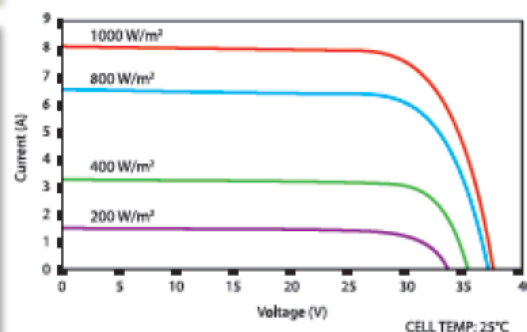


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Electrical Characteristics

Maximum power (Pmax)	205 W	210 W	215 W	220 W	225 W
Open-Circuit voltage (Voc)	33.21V	33.41V	33.65V	33.89V	34.11V
Short-circuit Current (Isc)	8.17A	8.34A	8.46A	8.61A	8.73A
Max-Power Voltage (Vmp)	26.6V	26.8V	26.9V	27.2V	27.3V
Max-Power Current (Imp)	7.71A	7.82A	7.95A	8.09A	8.22A
Module Efficiency (%)	14.0	14.3	14.6	15.0	15.3

Various Irradiance Levels



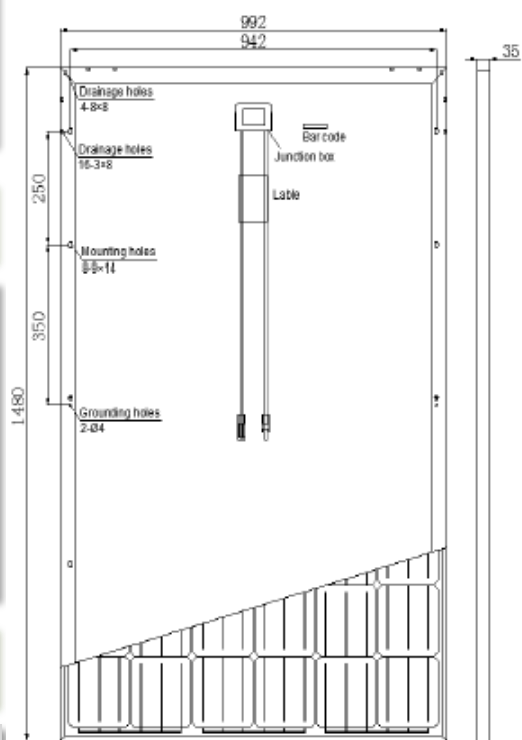
Temperature Coefficients (Tc)

NOCT (Nominal Operating Cell Temperature)	47±2°C
Temperature coefficient of Pmax	-0.48 %/°C
Temperature coefficient of Isc	0.02 %/°C
Temperature coefficient of Voc	-0.33 %/°C

Electrical Characteristics

Dimensions	1480x992x40 mm
Weight	16.0 kg
Frame	Aluminum alloy
Front Glass	Tempered glass, 3.2 mm
Cells	156x156 mm; 6x9 pcs.
Junction Box	IP67, combined with 3 by-pass diodes
Output Cables	Solar cable: 4mm ² , length 900 mm

Physical data (unit: mm)



System Design

Maximum System Voltage	1000 V
Operating Temperature	-40°C to 85°C
Series Fuse Rating	15 A
Hail Safety Impact Velocity	25 mm to 23 m/s
Fire Safety Classification	Class C
Static Load Wind/Snow	5.4 kN/m ²

