

VG- P240 – 255W

POLYCRYSTALLINE SOLAR MODULE

Characteristics & Performance

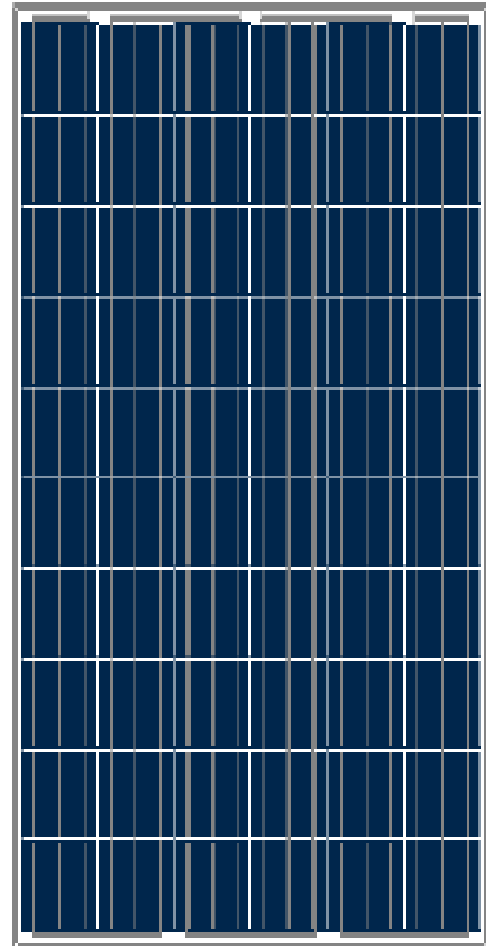
- Use of only certified materials at highest quality standards.
- The process of cell and module production is fully automated with 100% quality control and product traceability.
- Heavy load mechanical resistance: TUV certified (5400 Pa tested against snow and 2400 Pa tested against wind).
- Excellent performance even during low solar radiation.
- Guaranteed positive tolerance 0 to +5% 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)	240 W	245 W	250 W	255 W
Open-Circuit voltage (Voc)	36.9V	37.4V	37.8V	38.2V
Short-circuit Current (Isc)	8.56A	8.57A	8.74A	8.84A
Max-Power Voltage (Vmp)	30.1V	30.4V	30.6V	30.8V
Max-Power Current (Imp)	7.97A	8.06A	8.17A	8.28A
Module Efficiency (%)	14.7	15.0	15.4	15.7

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	-0.03 %/°C

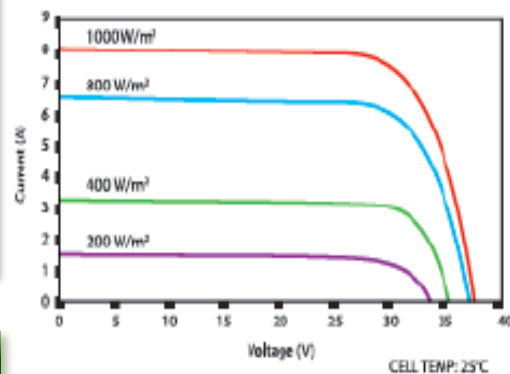
Electrical Characteristics

Dimensions	1640x992x40 mm
Weight	19.0 kg
Frame	Aluminum alloy
Front Glass	Tempered glass, 3.2 mm
Cells	156x156 mm; 6x10 pcs.
Junction Box	IP67, combined with 3/6 by-pass diodes
Output Cables	Solar cable: 4mm ² , length 900 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

Various Irradiance Levels



Physical dat (unit: mm)

