

VG - P250- 265W **PLUS+** POLYCRYSTALLINE SOLAR MODULE

Characteristics & Performance

- Four bus-bar cell technologies provide a more robust and powerful module ideal for utility scale applications.
- High module conversion efficiency (up to 16.29%), through innovative manufacturing technology.
- Heavy load mechanical resistance: TUV certified (5400 Pa tested against snow and 2400 Pa tested against wind).
- Excellent performance under low light environments..
- Guaranteed positive tolerance 0 to +5%.

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

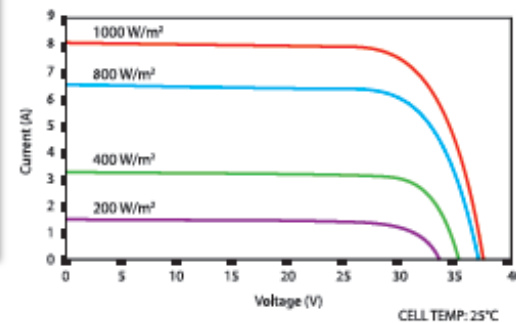
- Commercial – 12 years on material and manufacturing defects
- Performance
 - Power not less than 90% of power peak during 10 years
 - Power not less than 80% of power peak during 25 years



Electrical Characteristics

| Maximum power (Pmax) | 250 W | 255 W | 260 W | 265 W |
|-----------------------------|-------|-------|-------|-------|
| Open-Circuit voltage (Voc) | 37.7V | 38.0V | 38.1V | 38.6V |
| Short-circuit Current (Isc) | 8.85A | 8.92A | 8.98A | 9.03A |
| Max-Power Voltage (Vmp) | 30.5V | 30.8V | 31.1V | 31.4V |
| Max-Power Current (Imp) | 8.20A | 8.28A | 8.37A | 8.44A |
| Module Efficiency (%) | 15.48 | 15.69 | 15.98 | 16.29 |

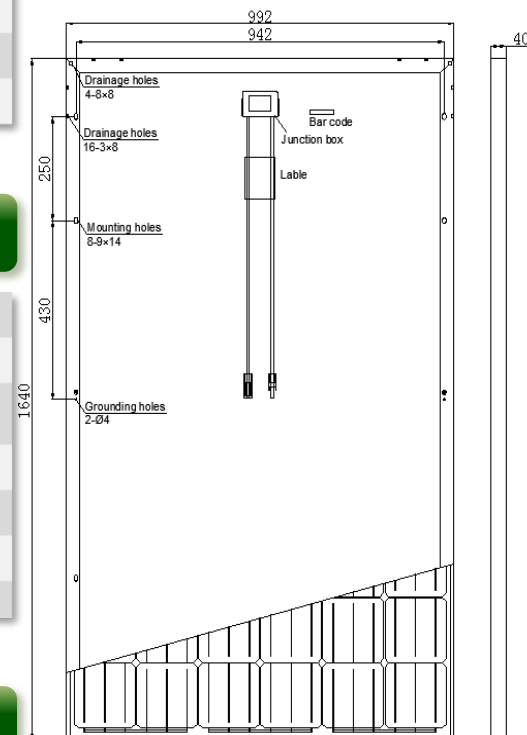
Various Irradiance Levels



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 | -0.03 %/°C |

Physical data (unit: mm)



Electrical Characteristics

| | |
|---------------|------------------------------------------------------------|
| Dimensions | 1640x992x40 mm |
| Weight | 18.5 kg |
| Frame | Anodized aluminum frame for improving corrosion resistance |
| Front Glass | Tempered glass with antireflective coating |
| Cells | 156x156 mm; 6x10 pcs /4 bus-bar |
| 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 |

