

VG-P250 – 265W- 60 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 even during low solar radiation.
- Guaranteed positive tolerance 0 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

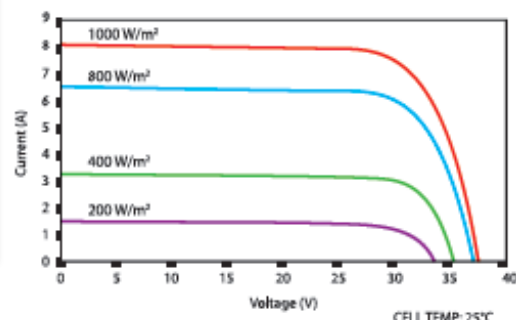
- Commercial – 12 years on material and manufacturing defects
- Performance
 - Power not less than 90% of power peak during 12 years
 - Power not less than 80% of power peak during 25 years



Electrical Characteristics

Power Output	250 W	255 W	260 W	265 W
Open-Circuit voltage (Voc)	37.8V	38.0V	38.2V	38.4V
Short-circuit Current (Isc)	8.75A	8.83A	8.91A	8.98A
Max-Power Voltage (Vmp)	30.2V	30.4V	30.7V	30.9V
Max-Power Current (Imp)	8.27A	8.38A	8.47A	8.56A
Module Efficiency (%)	15.50	15.90	16.20	16.50

Various Irradiance Levels



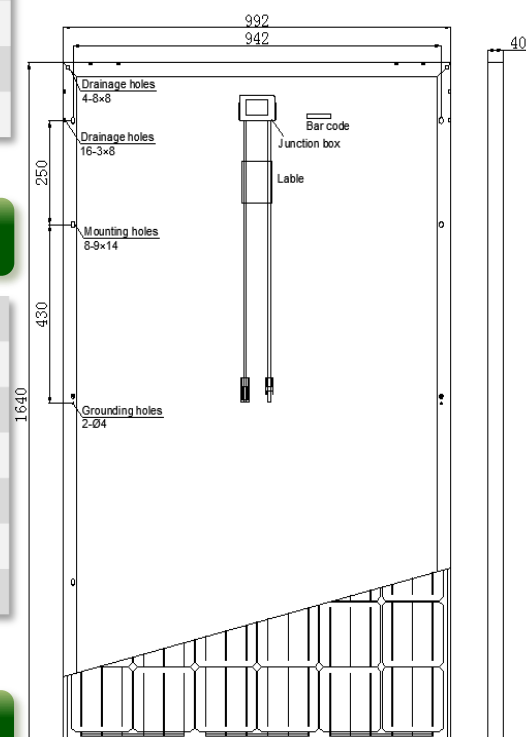
Temperature Coefficients (Tc)

NOCT (Nominal Operating Cell Temperature)	47±2 ⁰ C
Temperature coefficient of Pmax	-0.48%/ ⁰ C
Temperature coefficient of Isc	0.02 %/ ⁰ C
Temperature coefficient of Voc	-0.03 %/ ⁰ C

Mechanical Data

Dimensions	1640x992x40 mm
Weight	20 kg
Frame	Aluminum alloy
Front Glass	High transmission glass, 3.2 mm
Cells	156x156 mm; 6x10 pcs.
Junction Box	IP67, combined with 3/6 by-pass diodes
Type of connector	Compatible with MC 4 plug

Physical data (unit: mm)



Working Conditions

Maximum System Voltage	1000 V
Operating Temperature	-40 ⁰ C TO 85 ⁰ C
Series Fuse Rating	15 A
Hail Safety Impact Velocity	25 mm to 23 m/s
Fire Safety Classification	Class C
Mechanical load	>5400Pa

