



Dual Glasses Solar Module

60 CELL
MULTICRYSTALLINE MODULE

245-260W
POWER OUTPUT RANGE

15.5%
MAXIMUM EFFICIENCY

0~+3%
POSITIVE POWER TOLERANCE

**OPDG-XXX-P/60 Series
Polycrystalline Solar Module**

OMNIS photovoltaic Modules are constructed with high efficient solar cells and produce higher output per module than others in it class. This industrial grade module is an industry standard among various industry professionals.



Improved durability

- PID resistant and free of snail trails
- Reduced soiling
- Increased module robustness to minimize micro-cracks



Enhanced safety

- Fire class A certified by TUV Rheinland according to fire test IEC 61730-2 / MST 23
- Certified for fire type13 (UL 1703)



Increased value

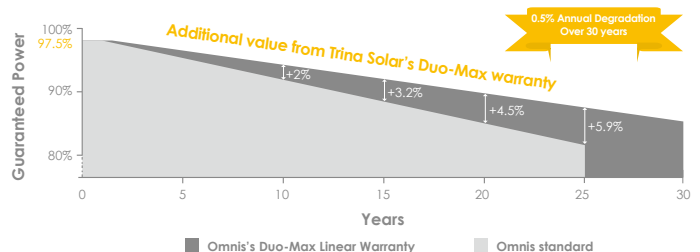
- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- 0.5% annual degradation



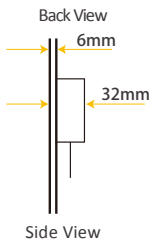
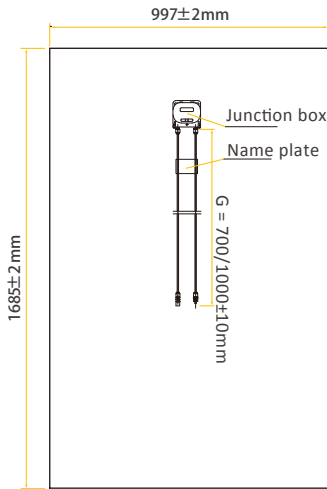
Certified to withstand the most challenging environmental conditions

- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load* • 5400 Pa snow load*
- 35 mm hail stones at 97 km/h

Omnispower Solar's Duo-Max Linear Performance Warranty

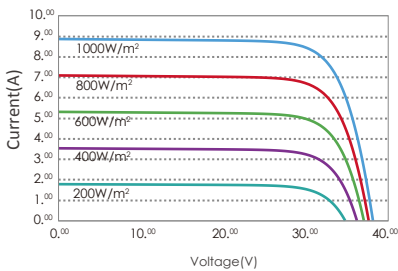


DIMENSIONS OF PV MODULE



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I-V CURVES OF PV MODULE (245W)



CERTIFICATION



ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	250	255	260
Power Output Tolerance-PMAX (%)		0 ~ +3	
Maximum Power Voltage-VMPP (V)	30.0	30.3	30.5
Maximum Power Current-IMPP (A)	8.34	8.42	8.52
Open Circuit Voltage-VOC (V)	37.5	37.5	37.6
Short Circuit Current-ISC (A)	8.97	9.01	9.10
Module Efficiency ηm (%)	14.9	15.2	15.5

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Typical efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1.

ELECTRICAL DATA (NOCT)

Maximum Power-PMAX (Wp)	186	190	193
Maximum Power Voltage-VMPP (V)	27.5	27.7	27.9
Maximum Power Current-IMPP (A)	6.78	6.84	6.93
Open Circuit Voltage-VOC (V)	34.8	34.8	34.8
Short Circuit Current-ISC (A)	7.24	7.28	7.35

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm (6 inches)
Cell orientation	60 cells (6 × 10)
Module dimensions	1685 × 997 × 6 mm (1685 x 997 x 32 mm with junction box)
Weight	24.0 kg (52.9lb)
Front Glass	2.5 mm, High Transmission, AR Coated and Heat Strengthened Glass
EVA	White
Back Glass	Heat Strengthened Glass, 2.5 mm
Frame	Frame less
J-Box	IP 65 or IP 67 rated
Cables	Photovoltaic Technology cable 4.0mm ² (0.006 inches ²), 700 mm(27.56inches)/1000mm(39.37inches)
Connector	MC4 or UTX(Amphentol)

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature of PMAX	- 0.41%/°C
Temperature of VOC	- 0.32%/°C
Temperature of ISC	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC) 1000V DC (UL)
Max Series Fuse Rating	15A

WARRANTY

10 year Product Workmanship Warranty 30
year Linear Power Warranty
(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 780 pieces
*The mechanical loading is dependent upon the mounting method used and only approved clamps should be used. For best results, install with the Trina clamp for dual glass modules