



POLY-CRYSTALLINE SOLAR MODULE - 60 CELLS

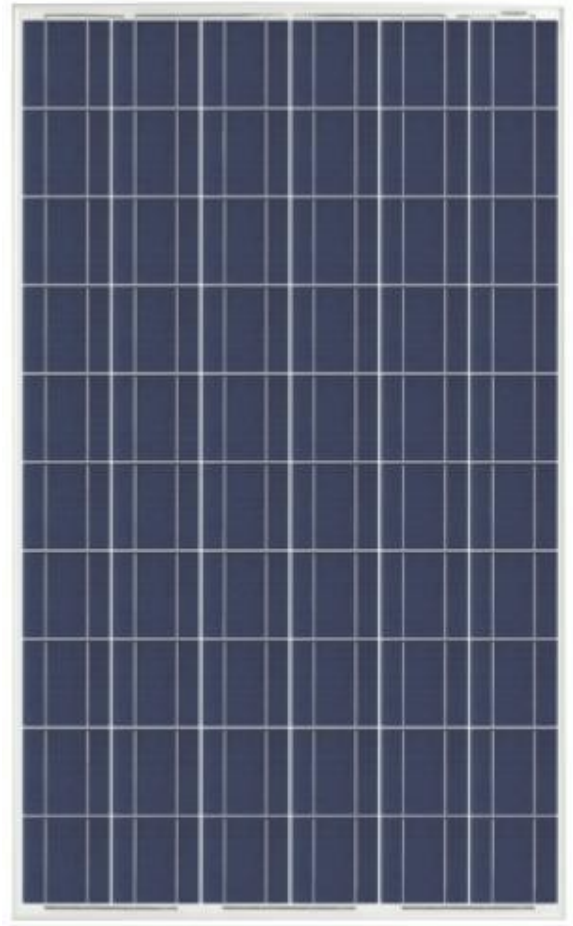
OS230P OS235P
OS240P OS245P
OS250P

FEATURES

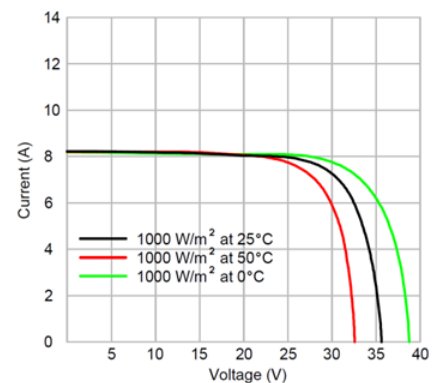
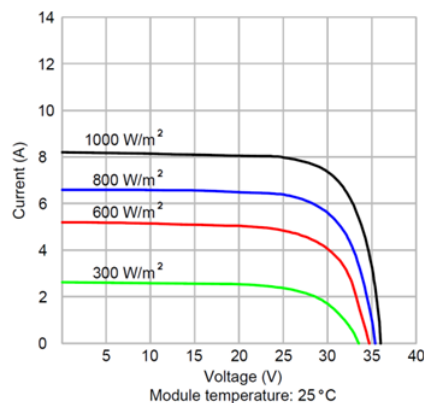
- High reliability with guaranteed 0 to +5W power output tolerance
- Passing mechanical load test of 5400 Pa to withstand heavier snow load and 2400 Pa to withstand wind pressure
- Strong frame, easy to install
- High transparency tempered glass: 3.2 mm, with durable glass surface
- Excellent performance under low light environment
- Power series ranging from 230 to 250 W meet different customers demands
- International quality and safety certifications

WARRANTIES

- 10 years limited product warranty
- 5 years at 95% of the minimal rated power output
- 10 years at 90% of the minimal rated power output
- 18 years at 85% of the minimal rated power output
- 25 years at 80% of the minimal rated power output



CURRENT VOLTAGE CHARACTERISTICS





ELECTRICAL CHARACTERISTICS	OS230P	OS235P	OS240P	OS245P	OS250P
Nominal Output (pmax) [W]	230	235	240	245	250
Warranted Minimum Power [W]	223.1	227.95	232.8	237.65	242.5
Flash Test Power Classification [W]	0 / +5	0 / +5	0 / +5	0 / +5	0 / +5
Voltage at Pmax (Vmp) [V]	29.5	30	30	30	30.5
Current at Pmax (Imp) [A]	7.8	7.83	8.0	8.17	8.2
Open Circuit Voltage (Voc) [V]	36.6	37.2	37.2	37.2	37.8
Short Circuit Current (Isc) [A]	8.42	8.46	8.65	8.74	8.85
Maximum System Voltage [V]	IEC: 1000 / UL: 600				
Maximum Series Fuse Rating [A]	12				
Cell Efficiency [%]	15.75	16.09	16.44	16.78	17.12
Module Efficiency [%]	14.05	14.36	14.66	14.97	15.27

STC* (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25°C, Air

TEMPERATURE CHARACTERISTICS	
NOCT**	45±2 °C
Temperature Coefficient of Pmax	-0.47 %/°C
Temperature Coefficient of Voc	-0.346 %/°C
Temperature Coefficient of Isc	0.036 %/°C
Operating Temperature	-40 °C to +85 °C

NOCT**: Nominal Operation Cell Temperature Sun 800W/m²; Air 20°C; Wind speed 1m/s

MECHANICAL CHARACTERISTICS		DIMENSIONS
Solar Cells	60(6x10) polycrystalline cells 156 mm	
Font Cover	3.2 mm thick, low iron tempered glass	
Back Cover	TPT (Tedlar-PET-Tedlar)	
Encapsulant	EVA (Ethylene vinyl acetate)	
Frame	Anodized aluminium alloy, double wall	
Diodes	6 Bypass diodes serviceable	
Junction Box	IP65 rated	
Connector	MC4 or compatible connector	
Cables	Length: 900 mm / Section: 4.0 mm ²	
Dimensions	1640 x 992 x 45 mm (Frame thickness can have a 40 to 50mm range)	
Weight	19.5 kg	
Max. Load	Certified to 2400 Pa	

Oviera Solar reserves the right to make specifications changes without any prior notice.
This data sheet complies with the EN 50380 requirements
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