



POLY-CRYSTALLINE SOLAR MODULE - 36 CELLS

OS100P

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
- 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





ELECTRICAL CHARACTERISTICS	OS100P
Nominal Output (pmax) [W]	100
Maximum Power Voltage [Vmp]	17.8
Flash Test Power Classification [W]	0 / +5
Current at Pmax (Imp) [A]	5.618
Open Circuit Voltage (Voc) [V]	21.36
Short Circuit Current (Isc) [A]	6.742
Cell Efficiency [%]	15.2
Module Efficiency [%]	13.1

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	36(4x9) polycrystalline cells 156x117 mm	
Font Cover	3.2 mm thick, low iron tempered glass	
Back Cover	TPT (Tedlar-PET-Tedlar)	
Encapsulant	EVA (Ethylene vinyl acetate)	
Frame	Anodized aluminum alloy, double wall	
Diodes	3 Bypass diodes serviceable	
Junction Box	IP65 rated	
Connector	MC4 Plug Type IV	
Cables	Length: 950 mm / Section: 4.0 mm ²	
Dimension	1131 x 674 x 35 mm	
Weight	7.4 kg	
Max. Load	Certified to 2400 Pa	

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