



## **POLY-CRYSTALLINE SOLAR MODULE - 36 CELLS**

### **OS130P**

#### **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	OS130P
Nominal Output (pmax) [W]	130
Maximum Power Voltage [Vmp]	17.64
Flash Test Power Classification [W]	0 / +5
Current at Pmax (Imp) [A]	7.369
Open Circuit Voltage (Voc) [V]	21.168
Short Circuit Current (Isc) [A]	8.25
Cell Efficiency [%]	14.8
Module Efficiency [%]	13.0

STC\* (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, 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/m<sup>2</sup>; Air 20°C; Wind speed 1m/s

MECHANICAL CHARACTERISTICS		DIMENSIONS
Solar Cells	36(4x9) polycrystalline cells 156x156 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 <sup>2</sup>	
Dimension	1482 x 674 x 35 mm	
Weight	9.6 kg	
Max. Load	Certified to 2400 Pa	

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