

## **MONO-CRYSTALLINE SOLAR MODULE - 54 CELLS**

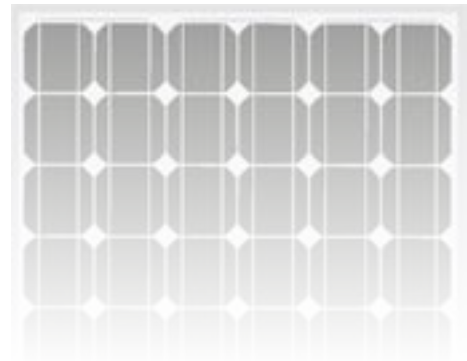
- **OS195M**
- **OS200M**
- **OS205M**

### **FEATURES**

- High reliability with guaranteed 0 to +5% 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 195 to 235 watts meet different customers demands
- International quality and safety certifications

### **WARRANTIES**

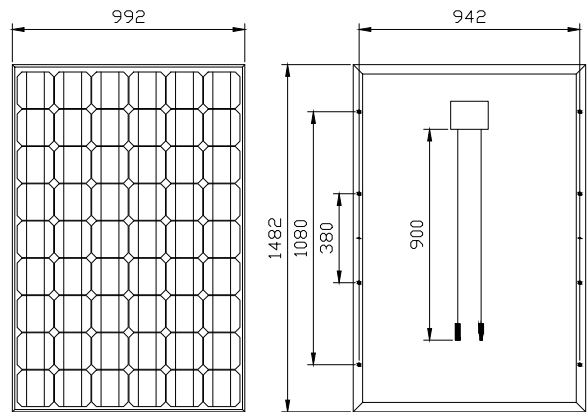
- 10 years limited product warranty
- 5 years at 95% of the minimal rated power output
- 10 years at 90% of the minimal rated power output
- 18 years at 85% of the minimal rated power output
- 25 years at 80% of the minimal rated power output



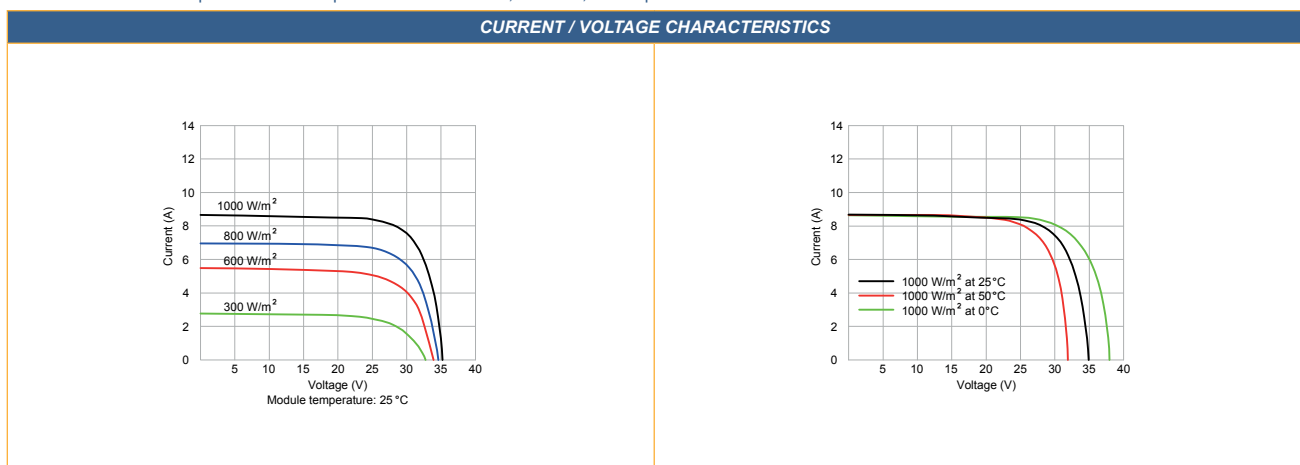
ELETRICAL CHARACTERISTICS*	OS195M	OS200M	OS205M
Nominal Output (Pmax) [W]	195	200	205
Flash Test Power Classification [%]	0 / +5	0 / +5	0 / +5
Voltage at Pmax (Vmp) [V]	26.2	26.7	26.7
Current at Pmax (Imp) [A]	7.44	7.49	7.67
Open Circuit Voltage (Voc) [V]	33.3	33.9	33.9
Short Circuit Current (Isc) [A]	7.96	8.01	8.21
Maximum System Voltage [V]	IEC: 1000 / UL: 600		
Maximum Series Fuse Rating [A]	10		
Cell Efficiency [%]	15.11	15.50	15.89
Module Efficiency [%]	13.26	13.60	13.94

STC\* (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

TEMPERATURE CHARACTERISTICS		DIMENSIONS
NOCT**	45±2 °C	
Temperature Coefficient of Pmax	-0.45 %/°C	
Temperature Coefficient of Voc	-0.35 %/°C	
Temperature Coefficient of Isc	0.05 %/°C	
Operating Temperature	-40 °C to +85 °C	
MECHANICAL CHARACTERISTICS		
Solar Cells	54(6x9) monocrystalline cells 156 mm	
Front 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 <sup>2</sup>	
Dimension [mm]	1482 x 992 x 45	
Weight [kg]	18.0	
Max. Load	Certified to 2400 Pa	



NOCT\*\*: Nominal Operation Cell Temperature Sun 800W/m<sup>2</sup>, Air 20°C, Wind speed 1m/s



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