

# Omega Power Solar

LEADING IN TECHNOLOGY

Enjoy a sunny life!



Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Guaranteed power output (0~+3%)



High performance under low light conditions (Cloudy days ,mornings and evenings)



Independently certified by international certification bodies\*, plus the Salt Mist Corrosion certificate and Ammonia Corrosion certificate.



Manufactured according to International Quality and Environment Management System(ISO 9001:2008,ISO 14001:2004,BS OHSAS 18001:2007)

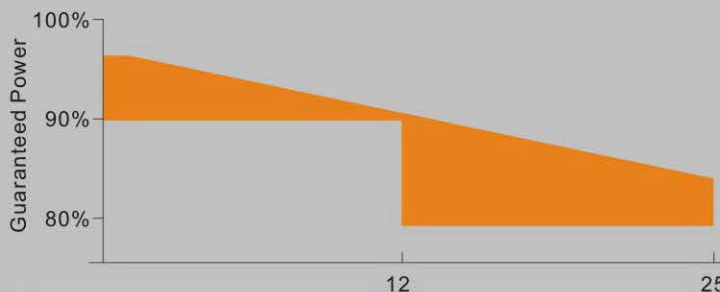


Black frame and black sheet are optional with aesthetic module appearance



## Linear performance warranty

10 year product warranty  
25 year linear power warranty



- 10-year limited product warranty<sup>1</sup>.
- Limited power warranty: 12 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output.
- <sup>1</sup>In compliance with our warranty Terms and Conditions

\*CE, IEC61215/61730, TUV, UL, ISO, MCS, CEC, PV CYCLE



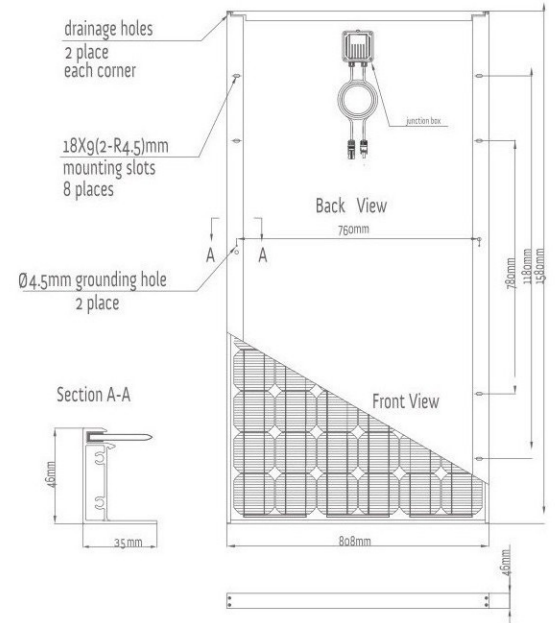
# Monocrystalline Solar Module

# 125x125mm 6x12 Cells

## ► Electrical characteristics

TUV-Model	UL-190D-72	UL-195D-72	UL-200D-72	UL-205D-72
UL-Model	UL-190D	UL-195D	UL-200D	UL-205D
Max. Power Pm (W)	190	195	200	205
Max. Power Voltage Vm (V)	35.8	36.0	36.3	36.5
Max. Power Current Im (A)	5.31	5.42	5.52	5.63
Open-Circuit Voltage Voc (V)	45.0	45.1	45.3	45.4
Short-Circuit Current Isc (A)	5.75	5.84	5.91	5.98
Cell Efficiency	17.1	17.5	18	18.4
Module Efficiency	14.9	15.3	15.7	16.1
Power Tolerance	0~+3%			
Max. System Voltage (V)	1000 (TUV) / 600 (UL)			
Temperature Coefficient of Isc	+0.065%/°C			
Temperature Coefficient of Voc	-0.330%/°C			
Temperature Coefficient of Pmax	-0.403%/°C			
Operating Temperature	-40°C~+85°C			
NOCT	45±2°C			
Series Fuse Rating (A)	10			

STC: irradiance: 1000 W/m<sup>2</sup>; Solar spectrum: AM 1.5; cell temperature: 25°C



## ► Mechanical characteristics

Module Dimension (mm)	1580x808x46
Cell Dimension (mm)	125x125
Array (PCS)	6x12
Weight (kg)	15.5

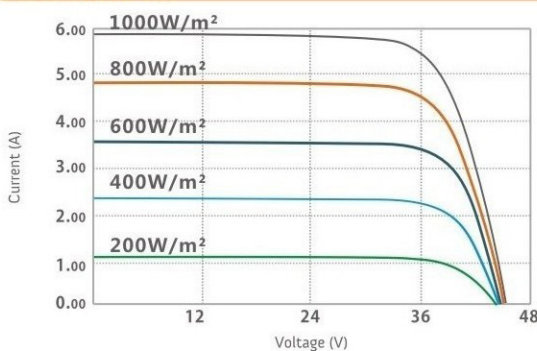
## ► Guarantee

- 10-year product guarantee
- 12-year performance guarantee at 90% power output
- 25-year power guarantee at 80% power output

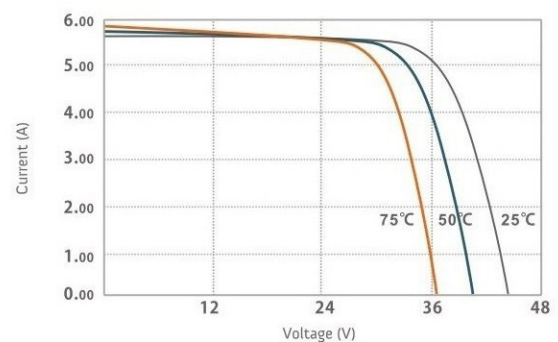
## ► Note

- Nominal operating cell temperature above data is only for reference
- Deviation of Vm(V), Im(A), Voc(V) and ISC(A) of ± 10%
- Due to continuous Innovation, research and improvement, the specification is subject to change without prior notice.

## ► I-V Curves



I-V Curves at different irradiance



I-V Curves at different temperature