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Solar Panel Guide Specification Data Sheet

Hebei Oushang Photovoltaic Technology Co., Ltd.

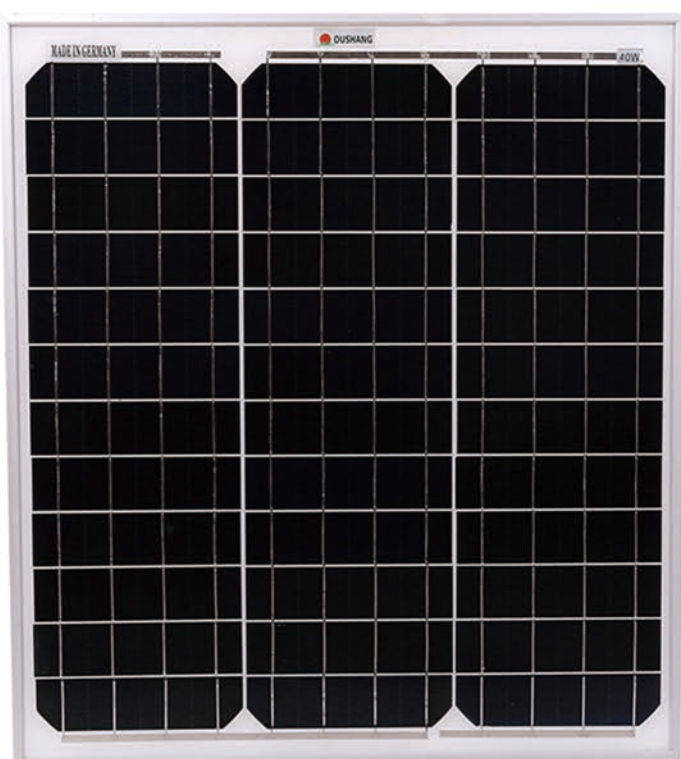
OS-M36 30-60W

OS-M36-50

Also available on the web at

[EnergyPal.com/hebei-oushang-photovoltaic-technology-co-ltd-solar-panels/os-m36-](http://EnergyPal.com/hebei-oushang-photovoltaic-technology-co-ltd-solar-panels/os-m36-50)

Monocrystalline Silicon Solar Panel
OS-M36-60W
Framed 36-cell module
Range:30-60W

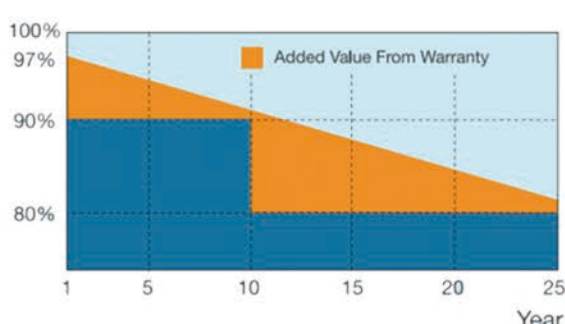


KEY FEATURES

-  **PID RESISTANT**
-  **High Power Output**
-  **High transmission, low Iron Tempered Glass**
-  **Bypass Diodes Protection**
-  **Salt Mist And Ammonia Resistance Test**

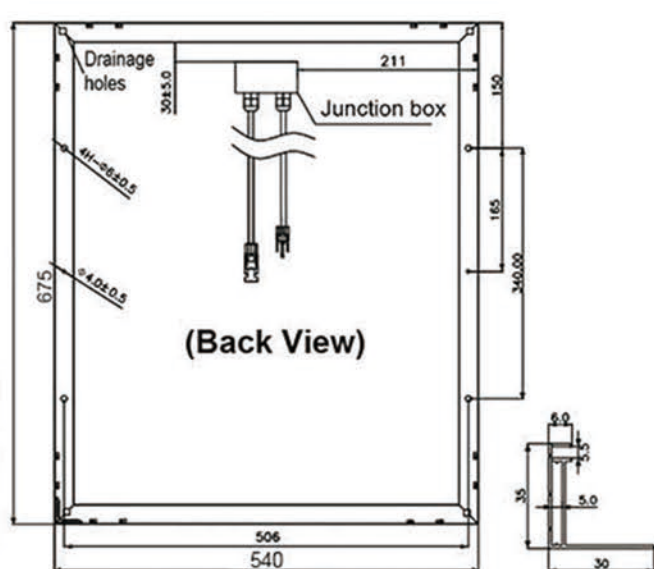
Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



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DIMENSIONS



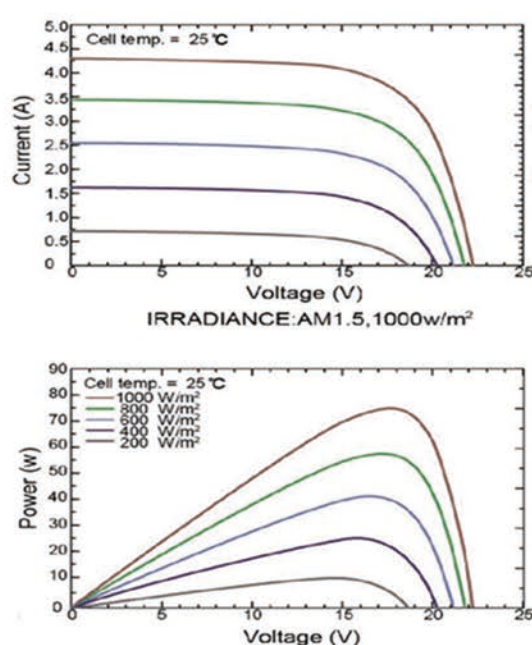
MECHANICAL CHARACTERISTICS

Frame Material	Anodized Aluminium Alloy
Front Glass	Tempered Glass
Back Cover	TPT(Composite film)
Cell Encapsulant	EVA
Junction box	IP67
Cables	2.5mm ² ,1000mm
Connector	MC4
Max wind load	2400Pa
Max snow load	5400Pa

TEMPERATURE COEFFICIENT

NOCT	47°C(±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 ~ +85°C

I-V CURVES



STC: Irradiance 1000w/m², Cell temperature 25°C, AM=1.5, Measuring tolerance: ±3%

ELECTRONICAL CHARACTERISTICS

Module Type	OS-M60-30	OS-M60-40	OS-M60-50	OS-M60-60
Maximum Power (Pmax)	30W	40W	50W	60W
Maximum Power Voltage(Vmp)	17.1V	17.5V	17.5V	17.5V
Maximum Power Current(Imp)	1.76A	2.28A	2.86A	3.43A
Open Circuit Voltage(Voc)	20.52V	21.9V	20.9V	21V
Short Circuit Current(Isc)	1.96A	2.54A	3.18A	3.84A
Number of Cells	36(2*18)	36(4*9)	36(4*9)	36(4*9)
Size of Cells(mm)	156*31.2	156*43	156*52	156*62.4
Dimensions(mm)	650*350*25	470*670*25	540*670*25	650*670*25
Power Tolerance	+(0-3)%			
Maximum System Voltage	1000VDC			

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