



www.yinglisolar.com

180(23)P1310×990

YL180(156)

YL180Wp, Yingli Solar

Yingli's 180 watt photovoltaic module is designed for large electrical power requirements. With a 25 year warranty, the YL180 has superb durability to withstand rigorous operating conditions. Ideal for grid-connected and remote power systems, the YL180 offers high usable power per square foot of solar array.

- ◆ Solar Cell: High efficiency crystalline solar cell. Even if under the weak light, the solar module can produce maximum power output.
- ◆ Tempered glass: Anti-reflecting coating and high transmission rate glass increase the power output and mechanical strength of solar module.
- ◆ EVA and TPT: Using high quality EVA and TPT to prevent destroying and water.
- ◆ Al frame: Without screw, corner connection. 6 holes on the frame can be installed easily.
- ◆ Junction box: Multi function junction box with water proof.
- ◆ Long lifetime: ≥ 25 years; Less power decrease.
- ◆ Good performance of preventing from atrocious weather such as wind and hails.
- ◆ Resisting moisture and etching effectively, not effect by geology.
- ◆ The certificate issued by international authority: ISO Quality Management system, UL, TUV, IEC.



- World-class Product and Service
- Complete Production Chain
- PV Manufacturer from China



天威英利
TIANWEI YINGLI

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ELECTRICAL PARAMENTER

Module type	180(23)P1310×990
Cell	Poly-crystal silicon
No. of Cells and Connections	48 in series
Maximum Power (Pm)	180W±3%
Maximum Power Voltage (Vpm)	23.0V
Maximum Power Current (Ipm)	7.82A
Open Circuit Voltage (Voc)	29.0V
Short Circuit Current (Isc)	8.36A
Module Efficiency	13.9%
Cell Efficiency	15.4%

(* (STC) Standard Test Conditions: 25°C, 1 kW/m², AM 1.5)

MECHANICAL CHARACTERISTIC

Dimensions (HxWxD)	1310×990×50mm
Weight	15.4Kg(33.9Pound)
Area	1.3m ²

(Cable Length 900mm provide by clients' requirement)

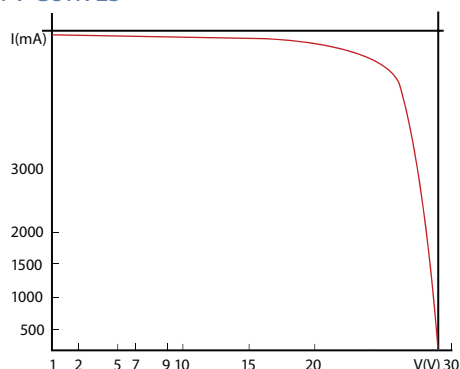
TEMPERATURE COEFFICIENTS

Power	T _k (Wp)	-0.45 %/°C
Open Circuit Voltage	T _k (Voc)	-0.37 %/°C
Short Circuit Current	T _k (Isc)	+0.06 %/°C

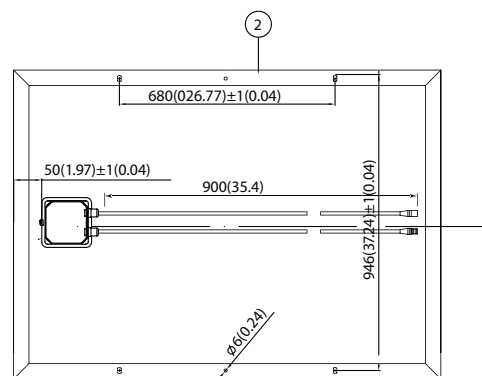
ABSOLUTE MAXIMUM LIMITS

Max System Voltage	V	1000
Module Operating Temperature	°C	-45—+85
Wind speed	Km/h	130
Noct	°C	46±2

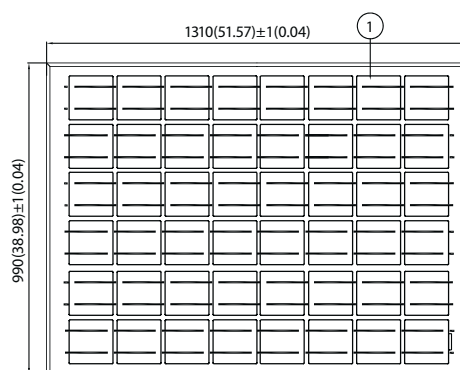
I V CURVES



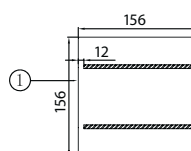
INSTALLATION DIMENSIONS



back side



Front side



Cell back side



Left side

Certificate	IEC, UL			
2	Frame	Q128,1310×990	1Set	
1	Cell	156×156	48PCS	
Item	Name	Specification	Quantity	Remark
Brand	Yingli solar		180(23)P1310×990	



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