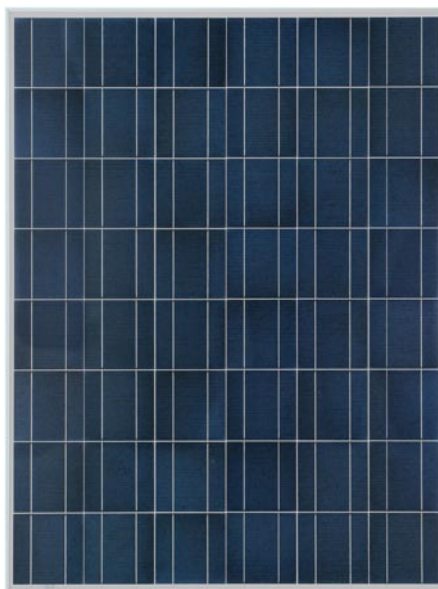


YL165Wp, Yingli Solar

Yingli's 165 watt photovoltaic module is designed for large electrical power requirements. With a 25 year warranty, the YL165 has superb durability to withstand rigorous operating conditions. Ideal for grid-connected and remote power systems, the YL165 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, CEC.



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

天威英利
TIANWEI YINGLI

YL165Wp, Yingli Solar

- World-class Product and Service
- Complete Production Chain
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ELECTRICAL PARAMETER

Module type	165(23)PR1310×990
Cell	Poly-crystal silicon
No. of Cells and Connections	48 in series
Maximum Power (Pm)	165W±3%
Maximum Power Voltage (Vpm)	23.0V
Maximum Power Current (Ipm)	7.2A
Open Circuit Voltage (Voc)	29.0V
Short Circuit Current (Isc)	7.9A
Module Efficiency	12.7%
Cell Efficiency	14.6%

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

MECHANICAL CHARACTERISTIC

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

(Cable Length 900mm provide by clients' requirement)

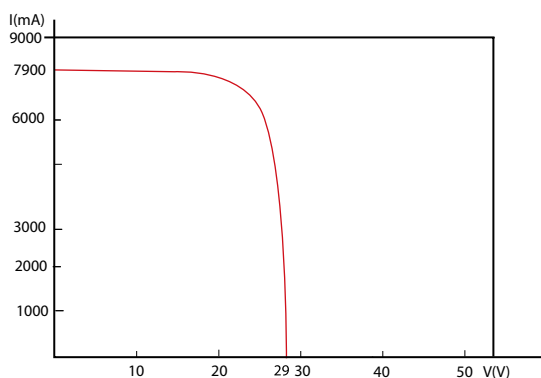
TEMPERATURE COEFFICIENTS

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

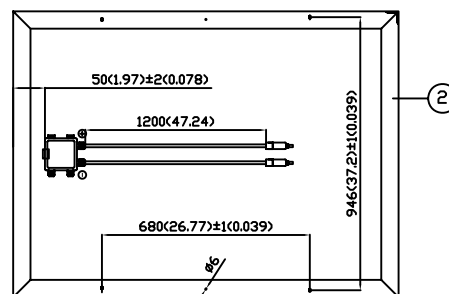
ABSOLUTE MAXIMUM LIMITS

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

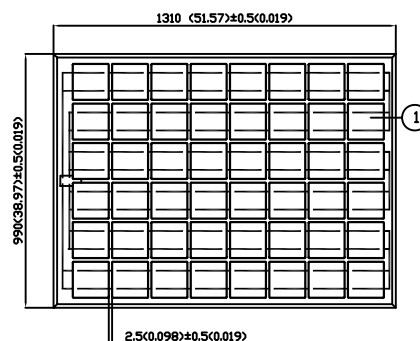
I V CURVES



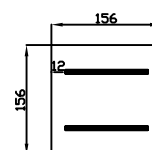
INSTALLATION DIMENSIONS



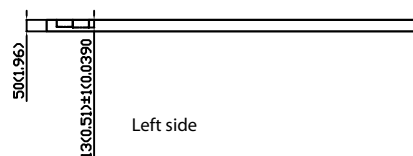
back side



front side



Cell back side



Left side

Certificate	IEC,TUV,UL,CEC			
2	Frame	1310×990	1Set	
1	Cell	156×156	48PCS	
Item	Name	Specification	Quantity	Remark
Brand	Yingli solar		165(23)PR1310×990	

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