

# 单晶60片组件

Monocrystalline Module (60 Cells)

**320W**

输出功率 / Output power

**19.67%**

最高效率 / Maximum efficiency

**0~±3%**

功率公差 / Power tolerance

## 全面的产品和体系证书

Comprehensive product certification and system certification

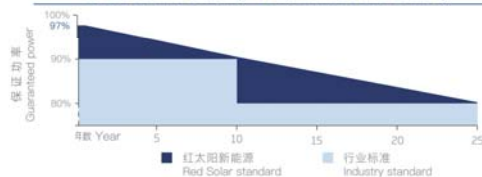
- IEC 61215 IEC 61730
- EC TS 62904(抗PID/PID Resistant)
- EC 62716(耐氨气/Ammonia Corrosion)
- EC 61701(耐盐雾/Salt Spray Corrosion)
- EC TS 62941(光伏质量体系/PV quality Management System)
- ISO9001:2015(质量管理体系/Quality Management System)
- ISO14001(环境管理体系/Environmental Management System)
- OH-SAS18001(职业健康安全管理体系/Occupational Health and Safety Management System)



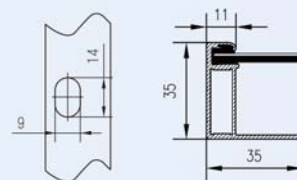
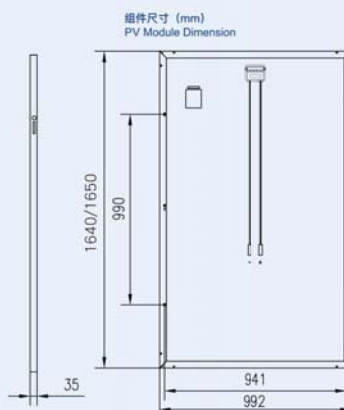
- 抗PID保证 / PID Resistant Guarantee**  
经TUV NORD测试验证, 通过192小时抗PID测试认证。  
Verified by TUV NORD test, Passed 192h PID resistant certification.
- 严酷环境适用性 / Severe Weather Resilience**  
经TUV NORD测试验证, 通过IEC 61701耐盐雾等级6、IEC62716耐氨气测试认证。  
Verified by TUV NORD test, Passed IEC 61701 salt spray corrosion(grade 6), IEC62716 ammonia corrosion test certification.
- 弱光性能 / Low Light Performance**  
出色的封装材料及电池工艺, 弱光条件下依然表现出色。  
Excellent packaging materials and cell technology, excellent performance under low light conditions.
- 自清洁 / Self Cleaning**  
优异、可靠的玻璃镀膜技术, 保证恶劣环境下稳定的功率输出。  
Excellent and reliable glass coating technology to ensure stable power output in severe environment.

## 10年产品质保·25年线性功率保证

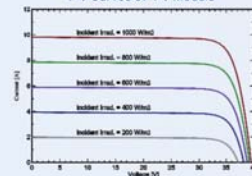
10 Year Product Warranty · 25 Year Linear Power Warranty



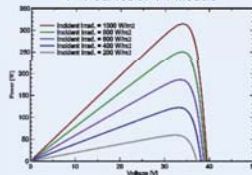
组件型号 Model of PV Module CETC-xxM/60	功率范围 Power Range 300-330W
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组件的I-V曲线  
I-V Curves of PV Module



组件的P-V曲线  
P-V Curves of PV Module



### 电气参数 (STC) / Electrical Parameter(STC)

型号/Model	320M
最大功率/Maximum power	320
工作点电压/Working point voltage	32.84
工作点电流/Working point current	9.74
开路电压/Open circuit voltage	39.90
短路电流/Short circuit current	9.98
组件效率/PV module efficiency	19.67%
标准测试条件/Standard test conditions	大气质量AM1.5, 辐照度1000W/m², 电池温度25°C Atmospheric quality Am1.5, Irradiance 1000w/m², Cell Temperature 25°C

### 电气参数 (NMOT) / Electrical Parameters (NMOT)

型号/Model	320M
最大功率/Maximum power	235.5
工作点电压/Working point voltage	30.8
工作点电流/Working point current	7.65
开路电压/Open circuit voltage	36.5
短路电流/Short circuit current	8.08
NMOT	辐照度800W/m², 环境温度20°C, 风速1m/s The irradiance is 800W/m², the ambient temperature is 20 degrees, and the wind speed is 1m/s

在该产品目录中的电气性能参数并不单指一块组件, 也不是合同中承诺的内, 只做不同类型组件间比较用。  
The Electrical performance parameters are neither just referred to one PV panel, nor are a part of the contract; they are only used as reference.

### 机械参数 / Mechanical Parameters

组件尺寸 / Module size	1640/1650*992*35mm
电池片数量 / Number of solar cells	60片 (6*10)
重量 / Weight	18kg ±5%
接线盒 / Junction Box	IP67, 兼容MC4
线缆 / Cables	4mm², 线长900mm (可定制 / Customizable)
前板玻璃 / Front plate glass	3.2mm, 超白, 减反射钢化玻璃/3.2mm(Ultra white&Minus reflection film toughened glass
正面静态载荷 / Static load on the front	5400Pa
背面静态载荷 / Static load on the back	2400Pa

### 温度参数 / Temperature Parameter

NMOT	45±2°C
最大功率(Pmax)温度系数 Temperature coefficient of maximum power(Pmax)	-0.43%/°C
开路电压(Voc)温度系数 Temperature coefficient of open circuit voltage(Voc)	-0.34%/°C
短路电流(Isc)温度系数 Temperature coefficient of short circuit voltage(Isc)	+0.019%/°C

### 极限参数 / Maximum Ratings

工作温度 Working temperature	-40~+85°C
最大系统电压 Maximum system voltage	1000VDC (定制/Custom made)
最大保险丝额定电流 Maximum fuse rated current	15A