

多主栅单晶132片双面双玻组件

MBB Monocrystalline Half-cell Module (132 Half Cells)

480-500W

输出功率 / Output power

21.1%

最高效率 / Maximum efficiency

0~+5W

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
- IEC 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)
- OHSAS18001(职业健康安全管理体系/ Occupational Health and Safety Management System)

- 1 高收益 / High Returns**

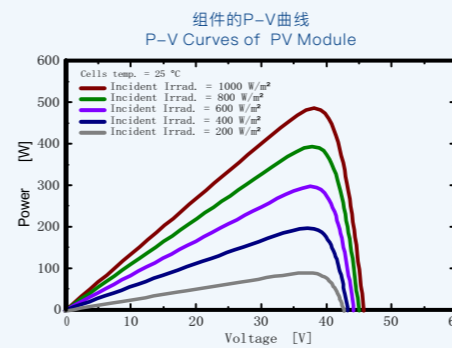
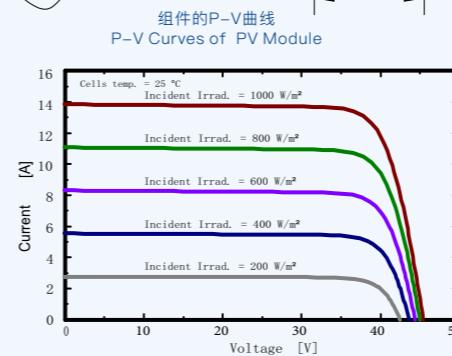
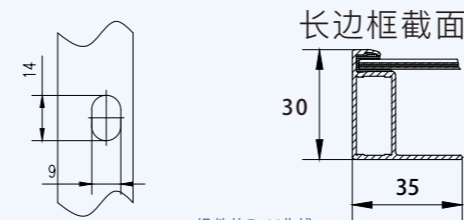
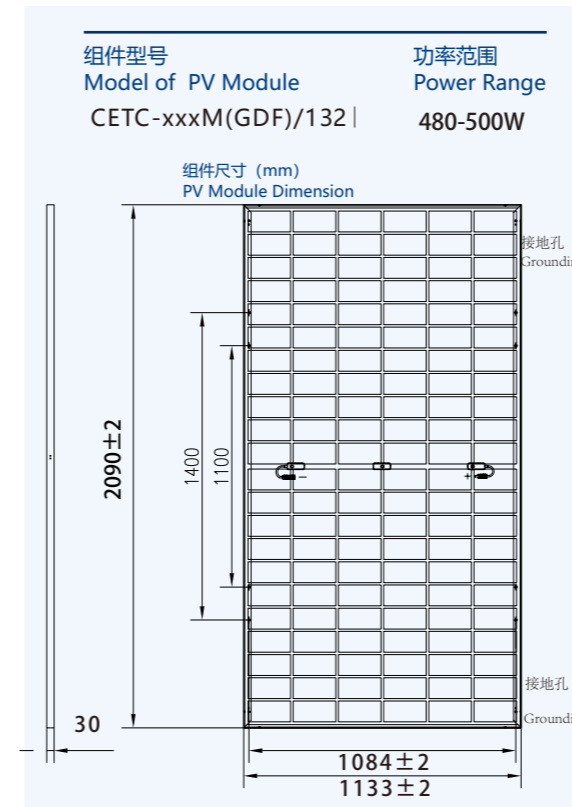
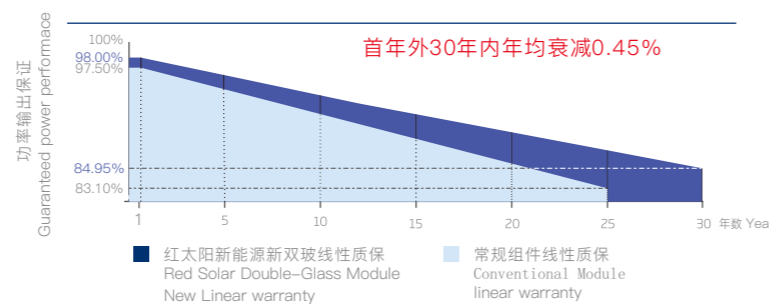
背面提供额外发电, 提升投资收益。
Provide additional power generation on the rear to increase return on investment.
- 2 高寿命 / Long Life**

30年线性质保, 更低的年度衰减率, 提升投资收益。
30-year linear warranty, lower power attenuation rate, increased return on investment.
- 3 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.

12年产品质保 · 30年线性功率保证

12 Year Product Warranty · 30 Year Linear Power Warranty



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

型号/Model	480M	485M	490M	495M	500M
最大功率/Maximum power	480	485	490	495	500
工作点电压/Working point voltage	37.7	37.9	38.1	38.2	38.4
工作点电流/Working point current	12.73	12.79	12.87	12.95	13.03
开路电压/Open circuit voltage	45.0	45.2	45.4	45.6	45.8
短路电流/Short circuit current	13.60	13.67	13.74	13.82	13.90
组件效率/PV module efficiency	20.3%	20.5%	20.7%	20.9%	21.1%

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

背面增益后功率输出 / RearSide Power gain

	峰值输出功率 / Maximum Power	效率 / Efficiency STC
5%	504Wp, 509Wp, 515Wp, 520Wp, 525Wp	21.3%, 21.5%, 21.7%, 21.9%, 22.2%
15%	552Wp, 558Wp, 564Wp, 569Wp, 575Wp	23.3%, 23.6%, 23.8%, 24.0%, 24.3%
25%	600Wp, 606Wp, 613Wp, 619Wp, 625Wp	25.3%, 25.6%, 25.9%, 26.1%, 26.4%

在该产品目录中的电性能参数并不指一块组件, 也不是合同中承诺的内容, 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	2090*1133*30mm
电池片数量 / Number of solar cells	132片 (2*6*11)
重量 / Weight	29.3Kg ±5%
接线盒 / Junction Box	PV-ZPB040 (connector: PV-ZPJ030A) The 40th Institute of China ElectronicTechnology Group Corporation Z8-abcd (connectors: Z4S-abcd) Zerun Co.,Ltd PV-XT1609Nxyz (connectors: PV-XT101.1) Suzhou Xtong Photovoltaic Technologies Co., Ltd.
线缆 / Cables	4mm², 线长300mm (可定制/Customizable)
前板玻璃 / Front plate glass	镀膜超白钢化玻璃/Ultra white AR coated semi-toughened glass
背板玻璃/Rear plate glass	半钢化玻璃/semi-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

包装&运输 (Packaging&Transport)

40尺集装箱运输 / 40'HQ container transport	36 Pcs/box × 22box =792Pcs
--------------------------------------	----------------------------

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)	-0.34%/°C
开路电压(Voc)温度系数 / Temperature coefficient of open circuit voltage(Voc)	-0.25%/°C
短路电流(Isc)温度系数 / Temperature coefficient of short circuit current(Isc)	+0.04%/°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	1500VDC
最大保险丝额定电流 / Maximum fuse rated current	30A
防火等级 / Fire safety class	C