

M10 多主栅单晶132片高效半片组件

M10 MBB Monocrystalline Half-cell Module (132 Half Cells)

485-505W

输出功率 / Output power

21.3%

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

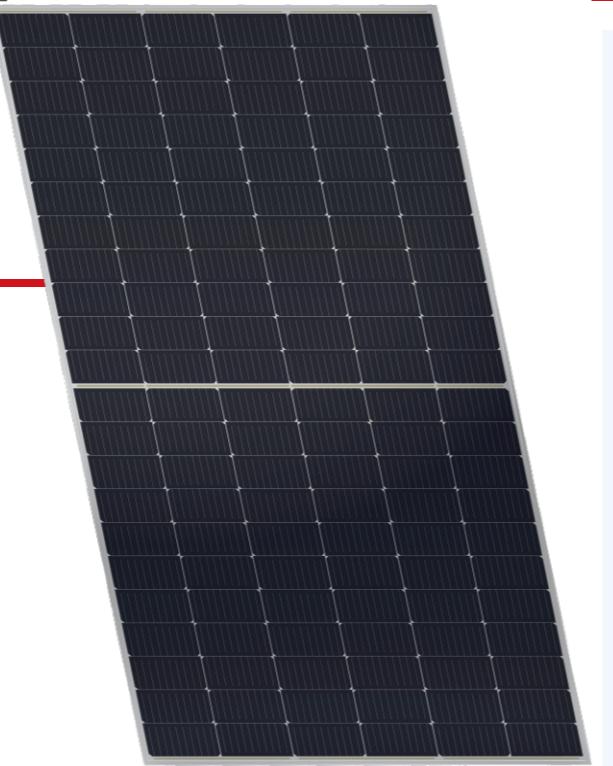
25年线性质保，更低的年度衰减率，提升投资收益。

25-year linear warranty, lower power attenuation rate, increased return on investment

③ 自清洁 / Self Cleaning

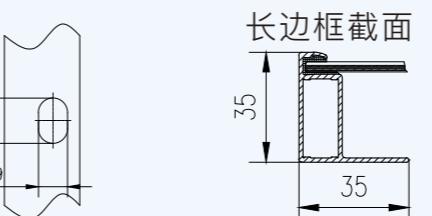
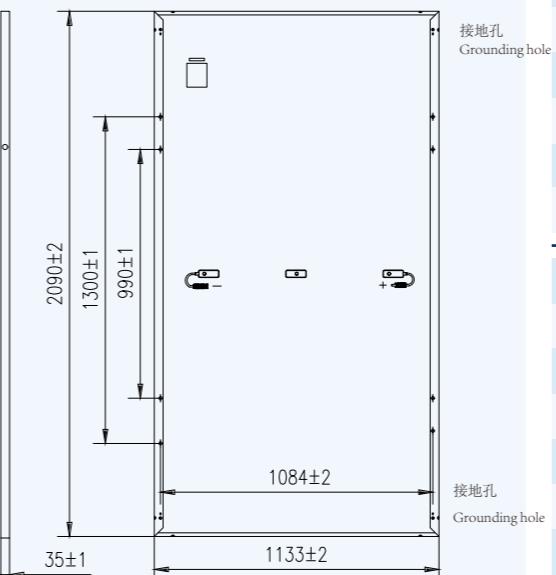
优异、可靠的玻璃镀膜技术，保证恶劣环境下稳定的功率输出。

Excellent and reliable glass coating technology to ensure stable power output in severe environment.

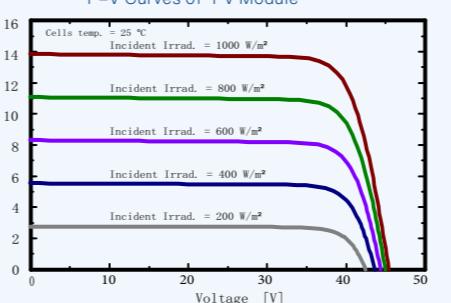
12年产品质保·25年线性功率保证
12 Year Product Warranty · 25 Year Linear Power Warranty

组件型号
Model of PV Module
CETC-xxxM(H)/132 | 功率范围
Power Range
485-505W

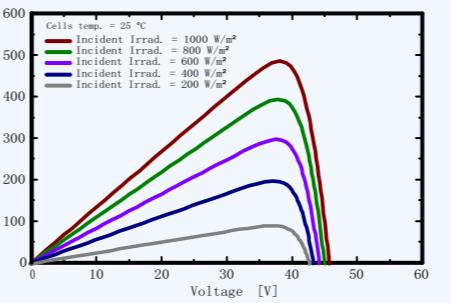
组件尺寸 (mm)
PV Module Dimension



组件的P-V曲线



组件的P-V曲线



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

型号/Model	485M	490M	495M	500M	505M
最大功率/Maximum power	485	490	495	500	505
工作点电压/Working point voltage	37.93	38.08	38.23	38.38	38.53
工作点电流/Working point current	12.79	12.87	12.95	13.03	13.11
开路电压/Open circuit voltage	45.10	45.25	45.40	45.55	45.70
短路电流/Short circuit current	13.67	13.74	13.82	13.90	13.97
组件效率/PV module efficiency	20.5%	20.7%	20.9%	21.1%	21.3%
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	485M	490M	495M	500M	505M
最大功率/Maximum power	361.5	365.0	368.6	372.3	375.9
工作点电压/Working point voltage	34.9	35.0	35.2	35.3	35.5
工作点电流/Working point current	10.37	10.42	10.48	10.54	10.59
开路电压/Open circuit voltage	42.1	42.2	42.3	42.5	42.6
短路电流/Short circuit current	11.02	11.08	11.14	11.21	11.27
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性能参数并不单指一块组件，也不是合约中承诺的内容，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 they 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*35mm
电池片数量 / Number of solar cells	132片 (2*6*11)
重量 / Weight	25Kg ±5%
接线盒 / Junction Box	PV-ZPB040 (connector: PV-ZP030A) The 40th Institute of China ElectronicTechnology Group Corporation Z8-abcd (connectors: Z4S-abcd) Zerun Co.,Ltd PV-XT1609Nxyz (connectors: PV-XT101.1) Suzhou Xiong Photovoltaic Technologies Co.,Ltd.
线缆 / Cables	4mm², +300mm&-200mm (含接头, 可定制 / Customizable)
前板玻璃 / Front plate glass	超白, 减反射膜钢化玻璃/ 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

包装&运输 (Packaging&Transport)

40尺集装箱运输 / 40'HQ container transport | 31 Pcs/box × 22 box = 682 Pcs

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)	-0.35%/°C
开路电压(Voc)温度系数 Temperature coefficient of open circuit voltage(Voc)	-0.28%/°C
短路电流(Isc)温度系数 Temperature coefficient of short circuit voltage(Isc)	+0.048%/°C
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	25A
防火等级 Fire safety class	C