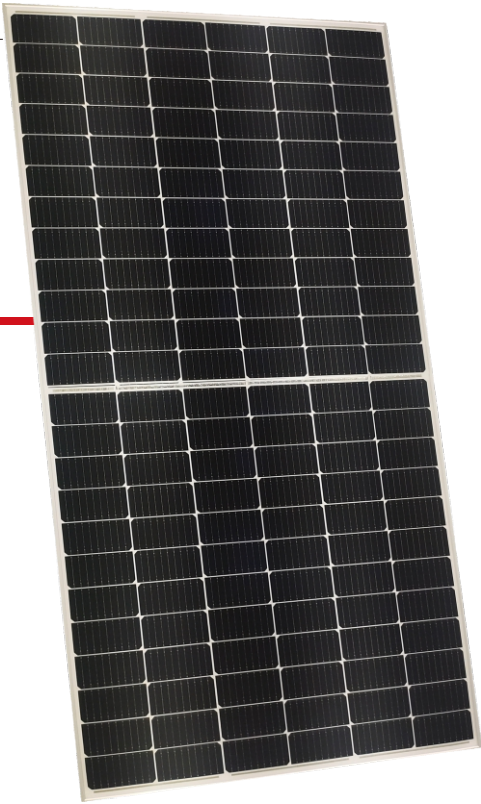


M10 多主栅单晶144片高效半片组件

M10 MBB Monocrystalline Half-cell Module (144 Half Cells)



530-550W

输出功率 / Output power

21.31%

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

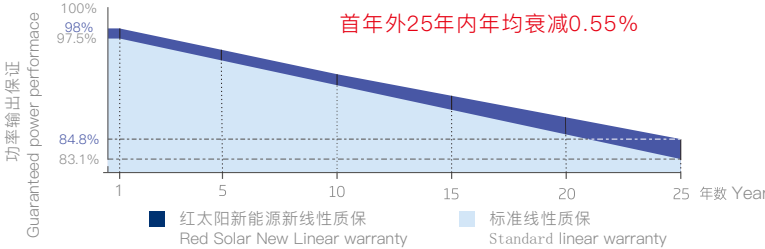
自清洁 / Self Cleaning

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 .

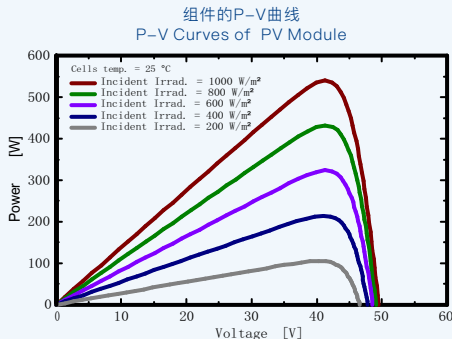
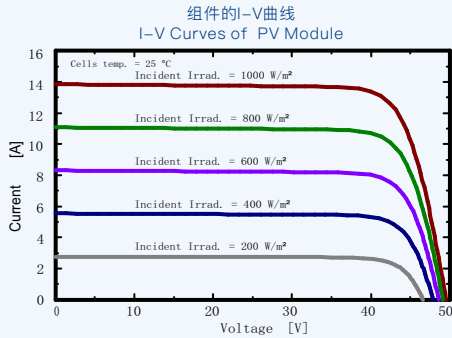
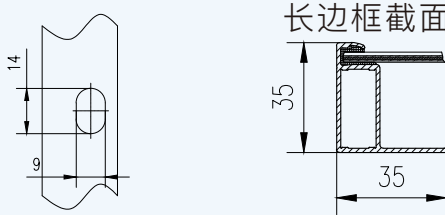
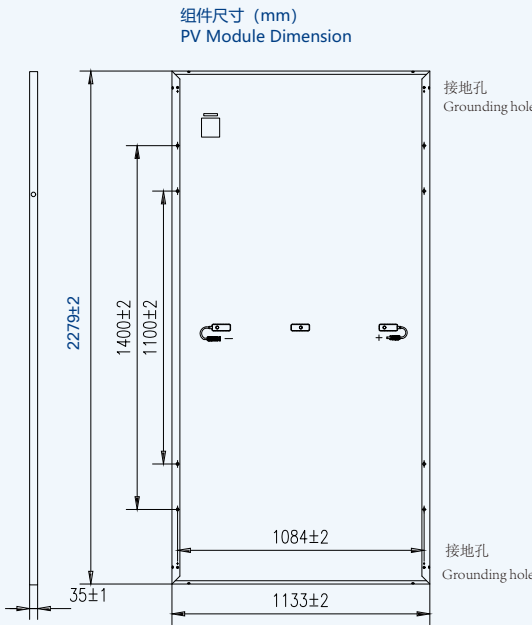
12年产品质保·25年线性功率保证

12 Year Product Warranty · 25 Year Linear Power Warranty



组件型号
Model of PV Module
CETC-xxxM(H)/144

功率范围
Power Range
530-550W



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

型号/Model	530M	535M	540M	545M	550M
最大功率/Maximum power	530	535	540	545	550
工作点电压/Working point voltage	41.35	41.50	41.65	41.80	41.95
工作点电流/Working point current	12.83	12.90	12.97	13.04	13.12
开路电压/Open circuit voltage	49.20	49.35	49.50	49.65	49.80
短路电流/Short circuit current	13.72	13.78	13.85	13.92	13.98
组件效率/PV module efficiency	20.53%	20.73%	20.92%	21.12%	21.31%

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℃
Atmospheric quality Am1.5, Irradiance 1000w/m², Cell Temperature 25℃

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

型号/Model	530M	535M	540M	545M	550M
最大功率/Maximum power	395	398	402	405	409
工作点电压/Working point voltage	37.95	38.09	38.25	38.39	38.57
工作点电流/Working point current	10.41	10.47	10.52	10.57	10.62
开路电压/Open circuit voltage	45.8	46.00	46.10	46.20	46.40
短路电流/Short circuit current	11.07	11.13	11.19	11.24	11.29

NMOT
辐照度800W/m², 环境温度20℃, 风速1m/s
The irradiance is 800W/m, 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 a part of the contract; They are only used as reference.

机械参数 / Mechanical Parameters

组件尺寸 / Module size	2279*1133*35mm
电池片数量 / Number of solar cells	144片 (2*6*12)
重量 / Weight	27.3Kg ±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, +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 × 20 box = 620 Pcs
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温度参数 / Temperature Parameter

NMOT	45±2℃	极限参数 / Maximum Ratings	
最大功率(Pmax)温度系数 Temperature coefficient of maximum power(Pmax)	-0.35%/℃	工作温度 Working temperature	-40~+85℃
开路电压(Voc)温度系数 Temperature coefficient of open circuit voltage(Voc)	-0.28%/℃	最大系统电压 Maximum system voltage	1500VDC
短路电流(Isc)温度系数 Temperature coefficient of short circuit voltage(Isc)	+0.048%/℃	最大保险丝额定电流 Maximum fuse rated current	25A
		防火等级 Fire safety class	C