

多主栅单晶144半片双面双玻组件

MBB Monocrystalline Bifacial Double-glass Module (144 Half Cells)

515-545W
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

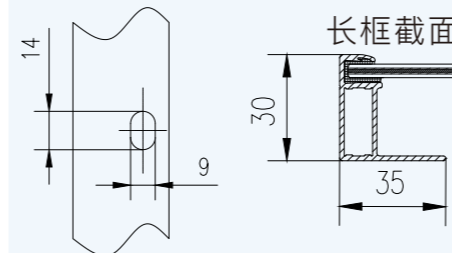
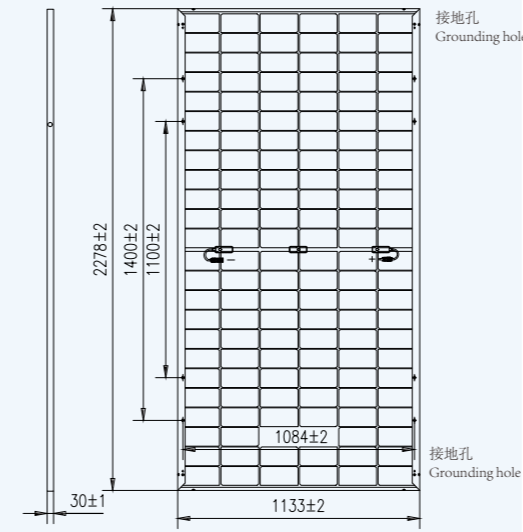
- IEC 61215 IEC 61730
- IEC TS 62941(光伏质量体系/ PV quality Management System)
- ISO9001:2015(质量管理体系/ Quality Management System)
- ISO14001(环境管理体系/ Environmental Management System)
- OHSAS18001(职业健康安全管理体系/ Occupational Health and Safety Management System)



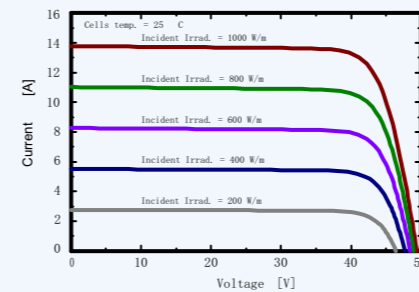
组件型号
Model of PV Module
CETC-xxxM(GDF)/144 |

功率范围
Power Range
515-545W

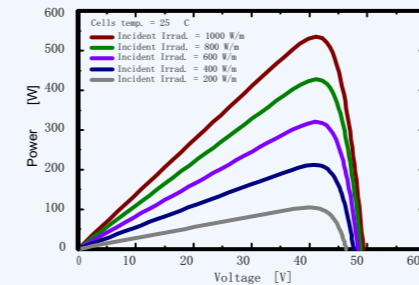
组件尺寸 (mm)
PV Module Dimension



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



正面电气参数 (STC) / Front Electrical Parameter(STC)

型号/Model	515M	520M	525M	530M	535M	540M	545M
最大功率/Maximum power	515	520	525	530	535	540	545
工作点电压/Working point voltage	40.94	41.07	41.80	41.35	41.50	41.65	41.80
工作点电流/Working point current	12.58	12.66	12.74	12.82	12.90	12.97	13.04
开路电压/Open circuit voltage	48.75	48.90	49.05	49.20	49.35	49.50	49.65
短路电流/Short circuit current	13.53	13.60	13.66	13.72	13.78	13.85	13.92
组件效率/PV module efficiency	20.00%	20.15%	20.34%	20.53%	20.73%	20.92%	21.11%

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	540.75Wp	546Wp	551.25Wp	556.5Wp	561.8Wp	567.0Wp	572.3Wp
5%	效率 Efficiency STC	20.95%	21.15%	21.35%	21.56%	21.76%	21.97%	22.17%
15%	峰值输出功率 Maximum Power	592.25Wp	598Wp	603.75Wp	609.5Wp	615.3Wp	621.0Wp	626.8Wp
	效率 Efficiency STC	22.94%	23.17%	23.39%	23.61%	23.83%	24.06%	24.28%
25%	峰值输出功率 Maximum Power	643.5Wp	650.8Wp	656.25Wp	662.5Wp	668.8Wp	675.0Wp	681.3Wp
	效率 Efficiency STC	24.94%	25.18%	25.42%	25.66%	25.91%	26.15%	26.39%

在该产品目录中的电性能参数并不单指一块组件,也不是合同中承诺的内容,只做不同类型组件间比较。
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	2278*1133*30mm
电池片数量 / Number of solar cells	144片 (2*6*12)
重量 / Weight	32Kg ±5%
接线盒 / Junction Box	PV-ZPB04 (connector: PV-ZPJ030A) The 40th Institute of China Electronic Technology 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	35 Pcs/box × 18 box = 630 Pcs
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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

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

- 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

