

单晶144半片双面双玻组件

Monocrystalline Bifacial Double-glass Module (144 Half Cells)

380-405W

输出功率 / Output power

20.18%

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)

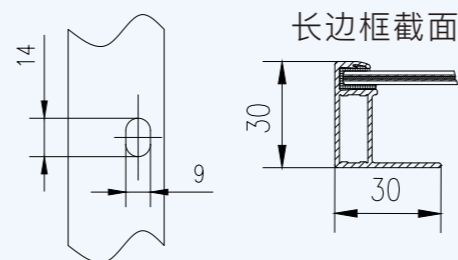
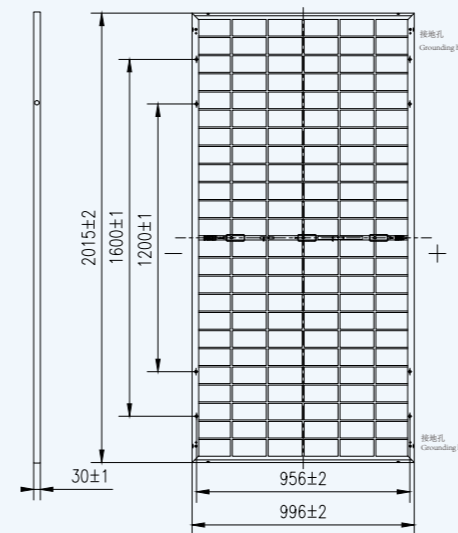
OHSAS18001(职业健康安全管理体系/
Occupational Health and Safety Management System)



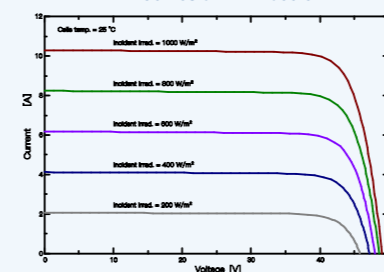
组件型号
Model of PV Module
CETC-xxxM(GDF)/144 |

功率范围
Power Range
380-405W

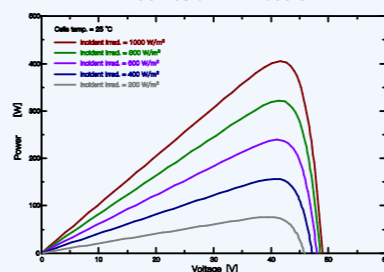
组件尺寸 (mm)
PV Module Dimension



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	380M	385M	390M	395M	400M	405M
最大功率/Maximum power	380	385	390	395	400	405
工作点电压/Working point voltage	40.08	40.31	40.60	40.80	41.00	41.29
工作点电流/Working point current	9.48	9.55	9.62	9.69	9.76	9.81
开路电压/Open circuit voltage	47.80	48.1	48.30	48.50	48.80	49.02
短路电流/Short circuit current	9.98	10.04	10.11	10.17	10.24	10.31
组件效率/PV module efficiency	18.93%	19.18%	19.43%	19.68%	19.93%	20.18%
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					

背面电气参数 (STC) / Rear Electrical Parameter(STC)

型号/Model	380M	385M	390M	395M	400M	405M
最大功率/Maximum power	269.8	273.4	276.9	280.5	284.0	287.6
工作点电压/Working point voltage	40.27	40.44	40.71	40.94	41.16	41.46
工作点电流/Working point current	6.70	6.75	6.80	6.85	6.90	6.93
开路电压/Open circuit voltage	47.27	47.47	47.67	47.87	48.17	48.38
短路电流/Short circuit current	7.09	7.13	7.15	7.19	7.24	7.28

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	2015*996*30mm
电池片数量 / Number of solar cells	144片 (2*6*12)
重量 / Weight	26.5Kg ±5%
接线盒 / Junction Box	PV-ZPB040 (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	36 Pcs/box × 22 box = 792 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)	-0.37%/°C
开路电压(Voc)温度系数 Temperature coefficient of open circuit voltage(Voc)	-0.3%/°C
短路电流(Isc)温度系数 Temperature coefficient of short circuit voltage(Isc)	+0.050%/°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	15A
防火等级 Fire safety class	C

- 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.
- 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.
- 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 12Year Product Warranty · 30 Year Linear Power Warranty

