



单晶 MONO 580-600W

120 cells 半片高效组件
Half-cut cell modules



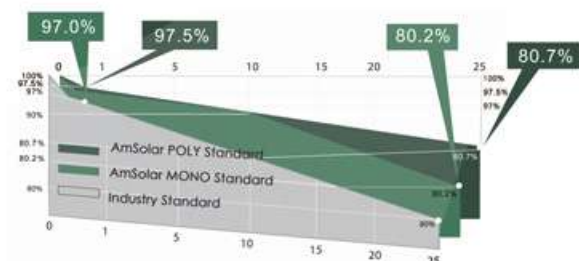
AmSolar系列超高效半片电池组件，应用先进的半片电池技术，在降低内阻损耗的同时又降低了热斑风险，进一步提高了组件的发电效率。满足对品质和效率具有极致要求的客户。

AmSolar Plus series (Super-efficiency half-cell Modules) Assembled with the advanced half-cell technology offer the advantages of higher power output, reduced series resistance loss, and lower risk of hot spot. In order to meet the Clients' requirements of best quality and efficiency.

认证 CERTIFICATION



线性质保 LINEAR PERFORMANCE WARRANTY



ISO9001:2015和ISO14001体系认证
ISO9001:2015 & ISO14001 management systems



符合IEC61215和IEC61730质量标准
IEC61215 & IEC61730 standard quality



优异的低辐照性能，更低的度电成本
Superior low irradiance performance, Lower LCOE



最大抗风压：3800pa，最大抗雪载荷5400pa
Wind load up to 3800Pa, Snow load up to 5400Pa



组件输出功率公差+5W
0-5W positive power sorting



弱光照环境下的稳定表现
Stable performance under weaklight conditions



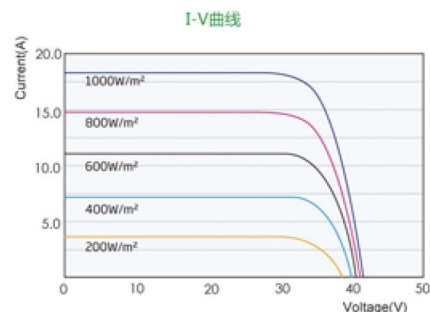
25年产品功率保证，10年产品质量保证
25-year power warranty, 10-year product warranty

单晶 MONO 580-600W 120 cells 12BB

ELECTRICAL PARAMETERS 电性能参数	FLST-580M		FLST-585M		FLST-590M		FLST-595M		FLST-600M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax) 峰值功率(Pmax/W)	580	439	585	443	590	447	595	451	600	454
Open Circuit Voltage(Voc) 开路电压(Voc/V)	40.9	38.5	41.1	38.7	41.3	38.9	41.5	39.1	41.7	39.3
Short Circuit Current(Isc) 短路电流(Isc/A)	18.21	14.68	18.26	14.72	18.31	14.76	18.36	14.80	18.42	14.84
Voltage at Maximum Power(Vmpp) 峰值功率电压(Vmpp/V)	33.8	31.5	34.0	31.7	34.2	31.9	34.4	32.0	34.6	32.2
Current at Maximum Power(Imp) 峰值功率电流(Imp/A)	17.16	13.93	17.21	13.97	17.25	14.01	17.30	14.06	17.34	14.10
Module Efficiency(%) 组件效率(%)	20.50		20.70		20.80		21.00		21.20	

标准测试条件(STC): 辐照度1000W/m², 电池温度25°C, 光谱AM1.5G
标称电池工作温度(NOCT): 辐照度800W/m², 环境温度20°C, 光谱AM1.5G, 风速1m/s

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G
NOCT: Irradiance 800W/m², ambient temperature 20°C, AM1.5G, wind speed 1m/s



MAXIMUM RATINGS 极限参数	
Operating Module Temperature 工作环境温度	-40~+85°C
Maximum System Voltage 最大系统电压	1500V DC (IEC)
Maximum Series Fuse Rating 最大保险丝额定值	30A
Power Tolerance 功率公差	0/+5W

TEMPERATURE RATINGS 温度额定值	
Nominal Operating Cell Temperature (Noct) 标称工作温度 (Noct)	43°C (±2°C)
Temperature Coefficient of Pmax 峰值功率温度系数	-0.34%/°C
Temperature Coefficient of Voc 开路电压温度系数	-0.25%/°C
Temperature Coefficient of Isc 短路电流温度系数	+0.04%/°C

PACKAGING CONFIGURATION 包装方式		
Truck 平板车车型 (长度)	13m	17.5m
Pieces per pallet 每托组件数量	31	31
Pallets per Truck 每车托盘数量	22	30
Pieces per Truck 每车组件数量	682	930

MECHANICAL CHARACTERISTICS 机械参数		
Solar Cell 电池类型	单晶210*105毫米	MONO210*105mm
No. of Cell 电池数量	120 (6*20)	120 (6*20)
Dimensions 组件尺寸	2172*1303*35毫米	2172*1303*35mm
Weight 组件重量	31千克	31kg
Front 正面	3.2毫米厚度钢化玻璃	3.2mm tempered glass
Frame 铝边框	阳极氧化铝合金	Anodized aluminium alloy
Junction Box 接线盒	IP68(3个旁路二极管)	Ip68 rated(3by pass diodes)
Output Cables 连接线缆	4.0平方毫米	4.0mm ²
	线缆长度	symmetrical length
	300毫米(+)/400毫米(-)	300mm(+)/400mm(-)
Connectors 插接头	MC4兼容插接头	MC4 compatible
Mechanical load test 最大机械载荷	正面5400帕	Front 5400Pa

DIMENSIONS OF PV MODULE 组件尺寸

