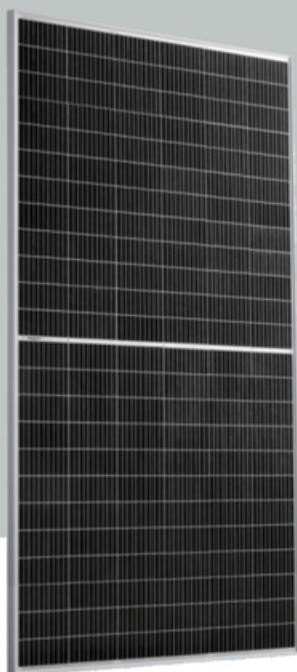




## 单晶 MONO 525-545W

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



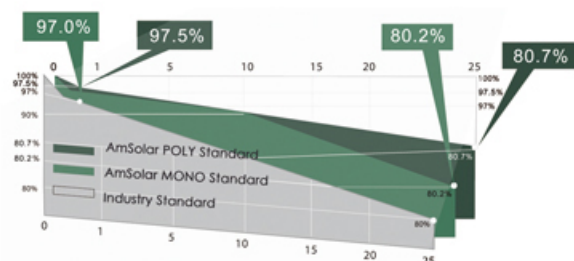
AmSolar系列超高效半片电池组件，应用先进的半片电池技术，在降低内阻损耗的同时又降低了热斑风险，进一步提高了组件的发电效率。满足对品质和效率具有极致要求的客户。

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

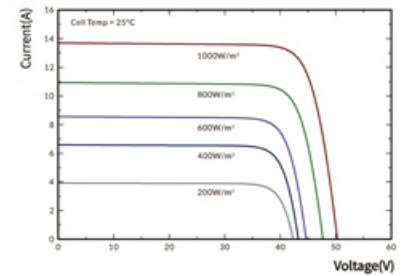
## 单晶 MONO 525-545W 144 cells 10BB

ELECTRICAL PARAMETERS 电性能参数	FLSU-525M		FLSU-530M		FLSU-535M		FLSU-540M		FLSU-545M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax) 峰值功率(Pmax/W)	525	397	530	401	535	405	540	409	545	413
Open Circuit Voltage(Voc) 开路电压(Voc/V)	49.59	46.92	49.74	47.16	49.89	47.40	50.04	47.63	50.18	47.87
Short Circuit Current(Isc) 短路电流(Isc/A)	13.55	10.87	13.62	10.91	13.69	10.95	13.76	10.99	13.83	11.03
Voltage at Maximum Power(Vmpp) 峰值功率电压(Vmpp/V)	41.47	38.73	41.63	38.97	41.80	39.21	41.96	39.44	42.12	39.67
Current at Maximum Power(Imp) 峰值功率电流(Imp/A)	12.66	10.25	12.73	10.29	12.80	10.33	12.87	10.37	12.94	10.41
Module Efficiency(%) 组件效率(%)	20.31		20.51		20.70		20.89		21.09	

标准测试条件(STC): 辐照度1000W/m<sup>2</sup>, 电池温度25°C, 光谱AM1.5G  
标称电池工作温度(NOCT): 辐照度800W/m<sup>2</sup>, 环境温度20°C, 光谱AM1.5G, 风速1m/s

STC: Irradiance 1000W/m<sup>2</sup>, cell temperature 25°C, AM1.5G  
NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, AM1.5G, wind speed 1m/s

I-V曲线



### 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	25A
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)	45°C (±2°C)
Temperature Coefficient of Pmax 峰值功率温度系数	-0.36%/°C
Temperature Coefficient of Voc 开路电压温度系数	-0.28%/°C
Temperature Coefficient of Isc 短路电流温度系数	+0.05%/°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182*91毫米	MONO182*91mm
No. of Cell 电池数量	144 (6*24)	144 (6*24)
Dimensions 组件尺寸	2279*1134*35毫米	2279*1134*35mm
Weight 组件重量	28.5千克	28.5kgs
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 <sup>2</sup>
	线缆长度	symmetrical length
Connectors 插头	300毫米/400毫米	300mm/400mm
	MC4兼容接插头	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

