

FS-Ab Series 72 Cells (295W-315W)

Ab系列72片三栅多晶组件(295W-310W)



315W

通过高水平生产工艺，获得组件功率最高至315W
Excellent module power up to 315W

5%

0~+5%功率输出
0~+5% power output



弱光发电能力优异
Outstanding low irradiance performance



PID free 组件
抗PID封装材料技术
抗PID电池技术
PID free module
Anti-PID material
Anti-PID cell technology



使用防水等级IP67接线盒，
保证长期的系统可靠性
IP67 waterproof junction
box for long-term
weather endurance



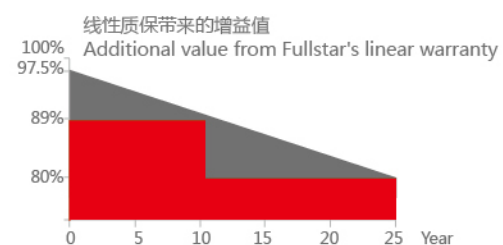
组件通过2400帕风压和
5400帕雪压测试
Wind load up to 2400 Pa
and heavy snow load up
to 5400 Pa

- 通过ISO 9001质量管理体系认证 和 ISO 14001环境管理体系认证
- OHSAS 18001 职业健康和安全标准
- 取得IEC 61215 和 IEC 61730 A等级证书
- 符合CE的要求

- ISO 9001 Quality management system certificate
- ISO 14001 Environmental management system certificate
- International standards for occupational health and safety
- IEC 61215 and IEC 61730 A level certificate
- CE certified

- 更低的年度功率衰减和更好的可靠性
- 第一年功率衰减2.5%，之后每年功率衰减0.7%
- 25年保证功率输出80%以上。

- Lower annual power attenuation and higher reliability
- First year power attenuation 2.5% and annual power attenuation of 0.7% afterwards
- Over 80% power output warranty for 25 years



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电气参数 ELECTRICAL DATA	FS-Ab295P		FS-Ab300P		FS-Ab305P		FS-Ab310P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
最大功率 Max. Power(Pmax)	295W	216W	300W	219W	305W	222W	310W	225W
最大功率时的工作电流 Opt. Operating Current (Imp)	8.26A	6.70A	8.33A	6.75A	8.33A	6.81A	8.47A	6.86A
最大功率时的工作电压 Opt. Operating Voltage (Vmp)	35.7V	32.2V	36.0V	32.4V	36.3V	32.6V	36.6V	32.8V
短路电流 Short Circuit Current (Isc)	8.70A	7.07A	8.79A	7.14A	8.87A	7.19A	8.96A	7.22A
开路电压 Open Circuit Voltage (Voc)	44.4V	40.5V	44.6V	40.6V	44.8V	40.8V	45.0V	40.9V
组件转换效率 Module Efficiency	15.1%		15.4%		15.7%		16.0%	
组件功率公差 Module Power Tolerance					0/+5%			
组件工作温度 Operating Temperature					-40°C~+85°C			
最大系统电压 Max. System Voltage					1000VDC(IEC)			
最大额定熔丝电流 Max. Nominal Fuse Current					20A			
应用等级 Application Level					A			

STC(标准测试环境) : 辐照度 1000 W/m², 组件温度 25 °C, AM 1.5 Irradiance 1000 W/m², Module temperature 25 °C, AM 1.5NOCT (电池标称工作温度) : 辐照度 800 W/m², 组件温度 20 °C, AM 1.5, 风速 1 m/s Irradiance 800 W/m², Module temperature 20 °C, AM 1.5, wind speed 1 m/s

温度参数 TEMPERATURE CHARACTERISTICS

额定电池工作温度 Nominal Operating Cell Temperature	45±2°C
最大功率的温度系数 Temperature Coefficient (Pmax)	-0.43%/°C
开路电压的温度系数 Temperature Coefficient (Voc)	-0.33%/°C
短路电流的温度系数 Temperature Coefficient (Isc)	0.067%/°C

机械参数 MECHANICAL DATA

电池片类型 Cell Type	156 × 156 mm多晶硅电池片 (6 inches) 156x156mm Multicrystalline, 6 inches
电池片数量 Cell Arrangement	72 (6 × 12)
组件尺寸 Dimensions	1956 × 992 × 40mm (77.0 × 39.1 × 1.6 inches)
重量 Weight	25.8 kgs (56.9 lbs.)
前板玻璃 Front Cover	4.0 mm (0.16 inches) 钢化玻璃 tempered glass
边框 Frame Material	阳极氧化铝铝合金Anodized aluminium alloy
接线盒 J-Box	IP67 等级(3 个二极管)IP67, 3 diodes
线缆 Cable	TUV (2Pfg1169:2007) 4.0 mm ² (0.006 inches ²), (-) 1100mm (43.3 inches) and (+) 1100 mm (43.3 inches)
连接器 Connector	SOLARLOK PV4

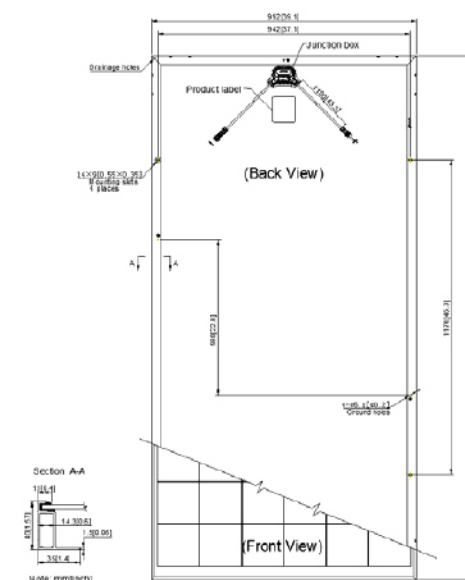
低辐照度下的性能表现
PERFORMANCE AT LOW IRRADIANCE

行业领先的低辐照度条件下的性能，辐照度200W/m²的组件效率是辐照度1000W/m² 组件效率的96.5%以上。

Industry leading performance at low irradiation, +96.5 % module efficiency from an irradiance of 1000 W/m² to 200 W/m² (AM 1.5, 25°C).

由于持续的创新、研究和产品升级，此产品规格书中的内容可以在不提前通知的情况下进行更改。这些内容可能会有轻微的偏差，并且其内容是不被保证的。这些数据并不是针对于单一的组件，它们也不是销售的一部分，它们只是用来进行不同型号的组件的对比。

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to on-going innovation, research and product enhancement, Fullstar Solaris reserves the right to make any adjustment to the information described herein at any time without notice. These data are neither for a single module nor part of sales. They are only for the purpose of comparison between different types of modules.

工程制图
ENGINEERING DRAWING电流——电压曲线和功率——电压曲线
I-V CURVES OF PV MODULE