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Solar Panel Guide Specification Data Sheet

**Zhenjiang Fengyuan New Energy Science &
Technology Co., Ltd
FY355-380S-24/Vd
FY365S-24/Vd**

Also available on the web at
EnergyPal.com/zhenjiang-fengyuan-new-energy-science-technology-co-ltd-solar-panels/fy365s-24-vd



单晶硅太阳能电池组件

355~380瓦

MONOCRYSTALLINE SOLAR MODULE 355~380Watt

全球领先的质量

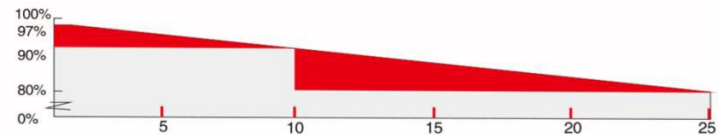
Global leading quality

以持续为社会、客户、企业、员工创造价值为核心理念，力争成为行业顶尖的光伏产品领导品牌。

Based on the core idea of creating value for society, customers and enterprises, we strive for becoming the leading supplier of photovoltaic products.

产品 || 质保

PRODUCT | WARRANTY&INSURANCE



第一年输出功率不低于标称功率的97%

Not less than 97% of nominal power in the first year.

第二年到第二十五年每年功率衰减不超过标称功率的0.7%

Annual power attenuation does not exceed 0.7% of nominal

power from the 2nd year to the 25th year.

产品的材料和品质保证10年。

10- year material and workmanship warranty

产品 || 管理体系 || 认证

PRODUCT&MANAGEMENT SYSTEM CERTIFICATES

产品质量管理体系认证ISO9001:2008

环境管理体系认证ISO14001:2004

IEC61215/IEC61730

TUV/JET/CEC

职业健康安全管理体系认证 BS OHSAS 18001:3007

CERTIFICATIONS&STANDARD

IEC 61215/IEC61730 : CEC/CE/TUV/JET

ISO9001 : 2008 | QUALITY MANAGEMENT SYSTEM

ISO14001 : 2004 | STANDARD FOR ENVIRONMENTAL

MANAGEMENT SYSTEM

BS OHSAS 18001 : 2007



关于丰源

About Solar Fab

镇江丰源新能源科技有限公司成立于2006年6月26日，公司现有员工600余人，主要从事于太阳能光伏组件的制造、销售及相关技术的研发。2019年产能达到1GW，公司位于江苏省镇江扬中市油坊镇明珠南路1号；占地260亩。

Zhenjiang Fengyuan New Energy Science & Technology Co.,Ltd. was founded in 2006, with over 600 employees, covering an area of 260 acres, the company mainly specializes in solar photo voltaic module manufacturing, sales and R&D. Our factory is located in No.1 South Mingzhu Road, Youfang Town, Yangzhong, Jiangsu, China. And our capacity reached 1GW in 2019.

产品 || 主要特征

PRODUCT KEY FEATURES



组件效率达到19.6%
Excellent Module Efficiency
Up To 19.6%



组件正公差+5%，
保证更高的功率输出
Positive Tolerance Of Up To
5% Delivers Higher Outputs
Reliability



完美的弱光效应，保证弱
光条件下更好的组件性能
Excellent weak light
performance
Excellent performance
under low light conditions



串联电流工艺，保证最大的系统
输出，减少功率损耗2%
Current sorting process
System output maximized by reducing
mismatch losses up to 2% with modules
sorted & packaged by amperage



防水等级IP67，保证组件长期稳定性
IP67 junction box available
long-term weather endurance

标准测试条件下的电性能参数

ELECTRICAL DATA | STC

| 标准测试条件下的电性能参数 Electrical Data | FY355S -24/Vd | FY360S -24/Vd | FY365S -24/Vd | FY370S -24/Vd | FY375S -24/Vd | FY380S -24/Vd |
|--|------------------|------------------|------------------|------------------|------------------|------------------|
| 峰值功率 Maximum Power at STC(Pmax) | 355W | 360W | 365W | 370W | 375W | 380W |
| 峰值功率电压 Optimum Operating Voltage(Vmp) | 38.7V | 39.1V | 39.3V | 39.8V | 40.0V | 40.2V |
| 峰值功率电流 Optimum Operating Current(Imp) | 9.18A | 9.21A | 9.29A | 9.30A | 9.38A | 9.46A |
| 开路电压 Open Circuit Voltage(Voc) | 47.5V | 47.7V | 47.9V | 48.2V | 48.5V | 48.7V |
| 短路电流 Short Circuit Current(Isc) | 9.63A | 9.69A | 9.76A | 9.80A | 9.83A | 9.86A |
| 组件效率 Module Efficiency | 18.3% | 18.6% | 18.8% | 19.1% | 19.3% | 19.6% |
| 组件工作温度 Operating Module Temperature | -40℃to+85℃ | | | | | |
| 最大系统电压 Maximum System Voltage | 1000 V DC(IEC) | | | | | |
| 最大保险丝额定值 Maximum Series Fuse Raing | 20A | | | | | |
| 组件功率公差 Power Tolerance | 0/+5% | | | | | |

STC: 辐照度1000W/m², 组件温度25℃, 大气质量AM1.5, 根据 (IEC 60904-9), 功率测试误差范围±3%
STC: Irradiance 1000 W/m², module temperature 25℃, AM=1.5,
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/-3%

| Noct | FY355S -24/Vd | FY360S -24/Vd | FY365S -24/Vd | FY370S -24/Vd | FY375S -24/Vd | FY380S -24/Vd |
|--|------------------|------------------|------------------|------------------|------------------|------------------|
| 峰值功率 Maximum Power at STC(Pmax) | 261W | 264W | 268W | 273W | 276W | 279W |
| 峰值功率电压 Optimum Operating Voltage(Vmp) | 35.6V | 35.8V | 36.0V | 36.2V | 36.3V | 36.4V |
| 峰值功率电流 Optimum Operating Current(Imp) | 7.33A | 7.39A | 7.46A | 7.56A | 7.62A | 7.69A |
| 开路电压 Open Circuit Voltage(Voc) | 43.2V | 43.4V | 43.6V | 43.8V | 44.0V | 44.2V |
| 短路电流 Short Circuit Current(Isc) | 7.76A | 7.82A | 7.89A | 7.96A | 8.02A | 8.08A |

NOCT: Irradiance 800 W/m², ambient temperature 20℃, AM=1.5, wind speed 1 m/s;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

温度特征 Temperature Characteristics

| | |
|--|----------|
| NOCT标准下的电池片温度 Nominal Operating Cell Temperature (NOCT) | 45 ± 2℃ |
| 峰值功率的温度系数 Temperature Coefficient of Pmax | -0.43%/℃ |
| 开路电压的温度系数 Temperature Coefficient of Voc | -0.33%/℃ |
| 短路电流的温度系数 Temperature Coefficient of Isc | 0.067%/℃ |

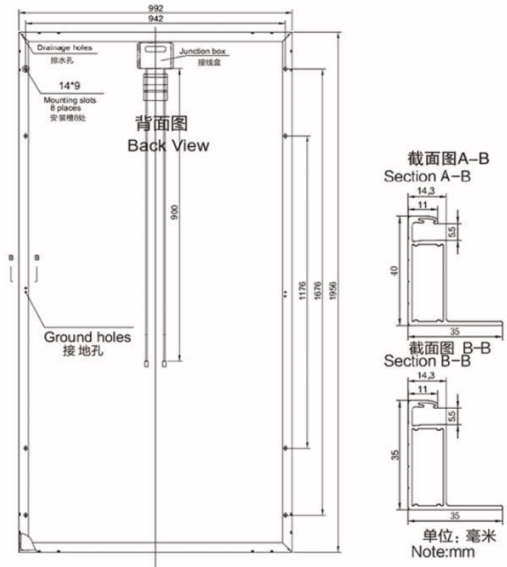
结构材料 Mechanical Characteristics

| | |
|----------------------------------|---|
| 太阳能电池片 Solar Cell | 单晶 156.75 x 156.75mm Monocrystalline silicon 156.75 x 156.75mm |
| 电池片数量 No. of Cells | 72 (6 x 12) |
| 组件尺寸 Dimensions | 1956 x 992 x 40mm |
| 组件重量 Weight | 21.5kg |
| 玻璃 Front Glass | 低铁钢化玻璃3.2mm 3.2mm tempered glass |
| 边框 Frame | 阳极氧化铝合金 Anodized aluminium alloy |
| 接线盒 (防护等级) Junction Box | IP67 rated (3 bypass diodes) |
| 线缆 (标准/横截面积/长度) Output Cables | TUV(2 PFG 1169/08.07) 4.0mm ² , symmetrical lengths(-) 700mm and (+)700mm |
| 接插件 Connectors | 通灵/JINGKE TL connectors |

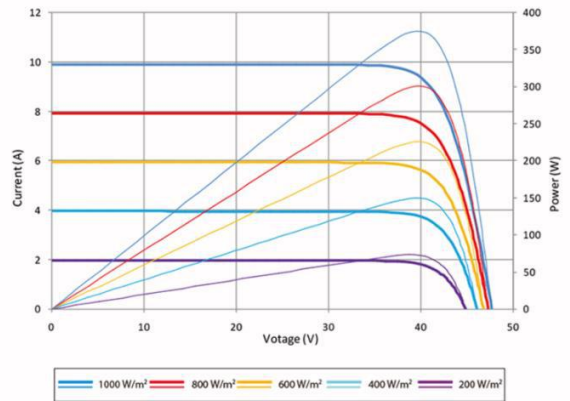
| 包装信息 Packing Configuration | 40' HC | 20' GP |
|--|---------|---------|
| 每托盘的数量 (片) Pieces per pallet | 30/27 | 30/27 |
| 每集装箱的托盘数量 (片) Pallets per container | 28/28 | 12/12 |
| 每货柜的数量 (片) Pieces per container | 840/756 | 360/324 |

组件结构图

MODULE | ENGINEERING DRAWING



电流-电压 & 功率-电压曲线图 (380S-20) Current-Voltage & Power-Voltage Curve (380S-20)



信息栏 Information bar



产品规格改变时不另行通知