


SF-M6/60 SF-M7/60 单玻系列单晶组件 Monocrystalline Module 290-340W





340W
最高组件功率输出
Max Power Output


19.67%
最高组件效率
Max Module Efficiency


0~+5w
功率公差
Power Output Guarantee

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高质量硅片保证，高功率组件输出，极佳的性价比优势，是大型电站的理想选择
High conversion efficiency due to top quality wafers and advanced cell technology, Ideal choice for large scale ground installation
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通过沙尘、盐雾、氨气等耐候性测试，适应严酷的户外环境
Through sand, salt fog, ammonia and other weather resistance test, adapt to harsh outdoor environment
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优选的封装材料和严格的工艺方案，保证组件抗 PID 能力
Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free
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加强型边框设计，更卓越组件载荷能力
Enhanced frame design, more excellent component load capacity
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采用高透明自清洁钢化玻璃增加光的吸收，有效减少灰尘引起的功率损失
Highly transparent self cleaning glass brings additional yield and easy maintenance

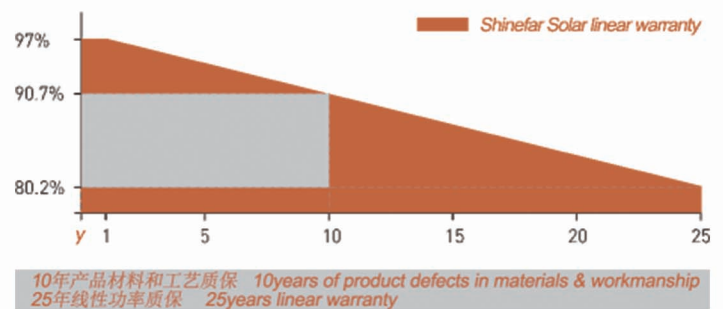
旭发新能源拥有兼容大尺寸太阳能电池整片、半片以及双玻电池组件的生产能力，为全球客户提供优质的太阳能产品、解决方案和技术服务；积极成为全球极具创新力的太阳能光伏企业之一；致力于打造成为全球领先的一站式智慧综合能源系统供应商。
Shinefar Solar mainly produces solar module, including large size solar module, solar half cell module and solar double glass module. The automatic assembly line production workshop with an annual capacity of 600MW has been audited and issued with certificates by a third-party certification agency, TÜV of Germany which cooperates with Alibaba, so that customers can rest assured to use our solar modules.

采用严格的国际标准管理体系
Rigorous quality control to meet the highest standard:
ISO9001, ISO14001 and OHSAS18001

全自动的产线以及领先的光伏技术
Fully automatic facility and world-class technology

层压前后分别进行 EL 测试，有效保证组件可靠性
2x100% EL inspection ensuring defect-free modules

通过各种长期可靠性测试
Long term reliability tests



电性能参数 | (STC*) Electrical Specification

功率输出 Max Power	Pmax (W)	290	295	300	305	310	315	320	325	330	335	340	
最大功率点的工作电压 Max Power Voltage	Vmp (V)	32.00	32.20	32.40	32.60	32.80	33.00	33.20	33.40	33.60	33.80	34.00	
最大功率点的工作电流 Max Power Current	Imp (A)	9.06	9.16	9.26	9.36	9.46	9.55	9.64	9.74	9.83	9.92	10.00	
开路电压 Open Circuit Voltage	Voc (V)	39.10	39.30	39.50	39.70	39.90	40.10	40.30	40.50	40.70	40.90	41.10	
短路电流 Short Circuit Current	Isc (A)	9.63	9.69	9.78	9.87	9.96	10.04	10.12	10.25	10.36	10.47	10.57	
组件效率 Module Efficiency	(%)	17.80	18.10	18.40	18.70	19.10	19.40	19.70	20.10	20.30	20.60	20.90	
组件尺寸 Dimensions of Module L*W*H	(mm)	1640x992x35						1665x1002x35					
重量 Weight	(kg)	18.1						19.3					
太阳能电池片 Solar Cell Type	(mm)	Mono 156.75×156.75,60 cells						Mono 158.75×158.75,60 cells					
包装 Packaging	(pcs)	31/pallet,416/20ft,952/40hq						31/pallet,884/40hq					
功率公差 Power Output Tolerance	(W)	0~+5											
工作温度 Operational Temperature		-40~+85°C											
最大系统电压 Maximum System Voltage		1000V DC											
最大保险丝额定电流 Max Series Fuse Rating		20A											

* 标准测试条件: (大气质量 AM1.5, 辐照度 1000W/m², 电池温度 25°C) 下的测量值 * Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

电性能参数 | (NOCT*) Electrical Specification

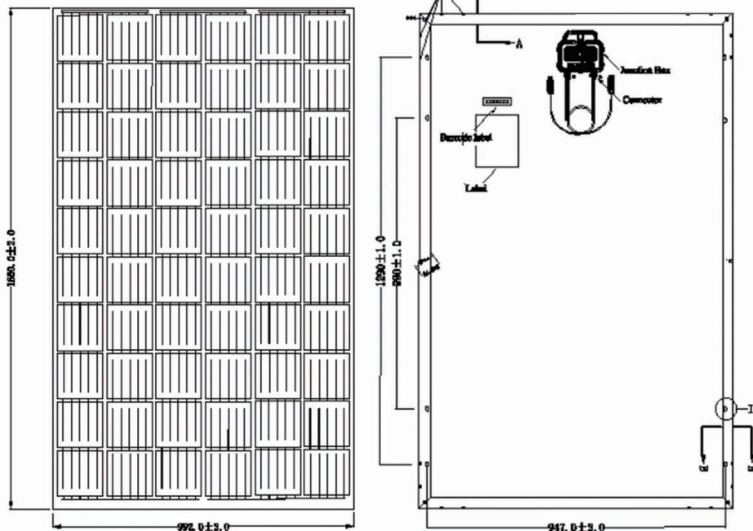
功率输出 Max Power	Pmax (W)	208.2	211.68	215.78	219.03	222.6	226.5	230.43	241.21	244.92	248.63	252.34
最大功率点的工作电压 Max Power Voltage	Vmp (V)	29.20	29.40	29.60	29.80	30.00	30.20	30.40	31.00	31.20	31.40	31.60
最大功率点的工作电流 Max Power Current	Imp (A)	7.13	7.20	7.29	7.35	7.42	7.50	7.58	7.78	7.85	7.92	7.99
开路电压 Open Circuit Voltage	Voc (V)	35.90	36.10	36.30	36.50	36.60	36.80	37.00	37.60	37.80	38.00	38.20
短路电流 Short Circuit Current	Isc (A)	7.65	7.72	7.79	7.84	7.91	7.98	8.05	8.29	8.37	8.45	8.53

* NOCT 测试条件: 辐照度 800W/m², 电池温度 20°C, 风速 1m/s * Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

结构性能 Mechanical Data

玻璃 Glass	3.2 mm 高透、减反射镀膜钢化玻璃 3.2mm High transparency solar glass
背板 Backsheet	白色或黑色 White or Black
边框 Frame	银 / 黑阳极氧化铝 Silver/black anodized alu alloy
接线盒 J-Box	防护等级 IP68
电缆 Cable	4 mm ² , 900 mm (35.4 inches)
二极管数量 Number of diodes	3
风压 / 雪压 Wind/Snow Load	2400Pa/5400Pa*
连接器 Connector	MC4 兼容 MC4 Compatible

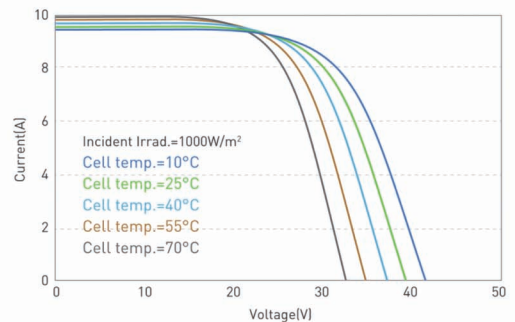
详细信息请参见 SF 安装说明书 * For more details please check the installation manual of SF



温度特性 Temperature Ratings

电池标称工作温度 (NOCT) Nominal Operating Cell Temperature	45±2°C
温度系数 (Isc) Temperature Coefficient of Isc	+0.06%/°C
温度系数 (Voc) Temperature Coefficient of Voc	-0.30%/°C
温度系数 (Pmax) Temperature Coefficient of Pmax	-0.39%/°C

不同温度下电流电压曲线 (300W)



不同辐照度下电流电压曲线 / 功率电压曲线 (300W)

