



Jiangsu Linyang Solarfun Co.,Ltd.

Module (SF190-27-M) Specifications

版本号: 2.0

1. Electrical characteristics

<i>P_{max}, Voc, Isc, Vmp and Imp at STC (1000W/m², 25±2°C, AM 1.5); All electrical specifications are +/-5%.</i>							
Maximum Power (P _{max})	170W	175W	180W	185W	190W	195W	200W
Open Circuit Voltage (Voc)	32.4V	32.5V	32.6V	32.7V	32.8V	32.9V	33.0V
Short Circuit Current (Isc)	7.49A	7.69A	7.78A	7.86A	7.93A	8.12A	8.19A
Maximum Power Voltage (Vmp)	26.1V	26.2V	26.3V	26.4V	26.5V	26.6V	26.7V
Maximum Power Current (Imp)	6.51A	6.68A	6.84A	7.00A	7.17A	7.33A	7.49A
Nominal Operation Cell Temperature (NOCT)	45°C±3°C						
Temperature Coefficients of P _{max}	-0.4%/°C						
Temperature Coefficients of Voc	-0.38%/°C						
Temperature Coefficients of Isc	+0.04%/°C						
Temperature Coefficients of Vmp	-0.38%/°C						
Temperature Coefficients of Imp	+0.04%/°C						
Maximum System Voltage (V)	600(UL)						
Maximum Series Fuse Rating	12A						
FF (%)	70-76						
Cell Efficiency (%)	Average 15.9						
Module Efficiency (%)	Average 13.2						

2. Mechanical characteristics

Cell Technology	156mm×156mm (6.14in×6.14in)	Mono-Si
Brand Name of Solar Cells	Solarfun	
Number of Cells (Pcs)	54(6×9)	
Dimensions	1494mm×1000mm×45mm (58.8in×39.37in×1.77in)	
Length of Cables	900mm (35.4in)	
Weight	18kg (39.6lb)	
Frame	Aluminium-alloy	
Backing	TPT	
Packing	4Pcs/CTN , 135CTN/40 FCL	

3. Qualification test parameters

Temperature cycling range	-40°C~+85°C
Mechanical load test	2400 Pa
Allowable hail load	23m/s,7.53g
Humidity freeze,damp heat	85%RH
Warranty: 90% for 10 years , 80% for 25 years	

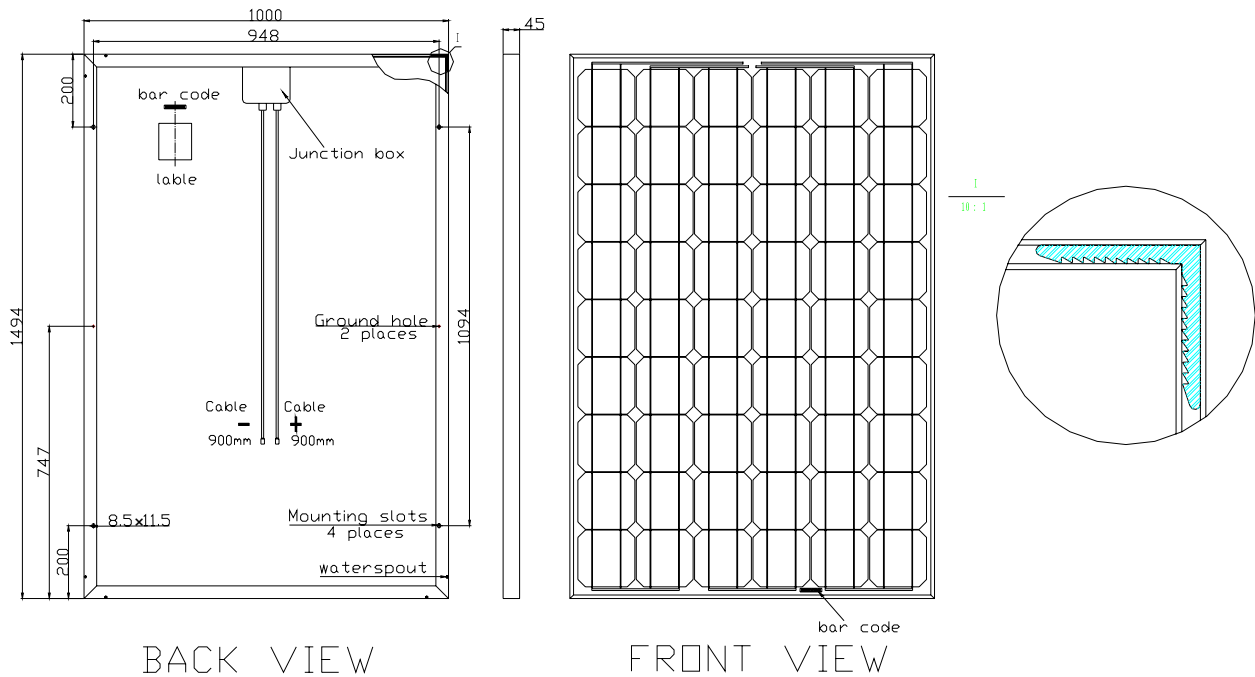


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4. Quality and Safety

TÜV (IEC61215、CLASSII)	
UL	yes
CE	yes
ISO9001	yes

5. Basic Dimensions:

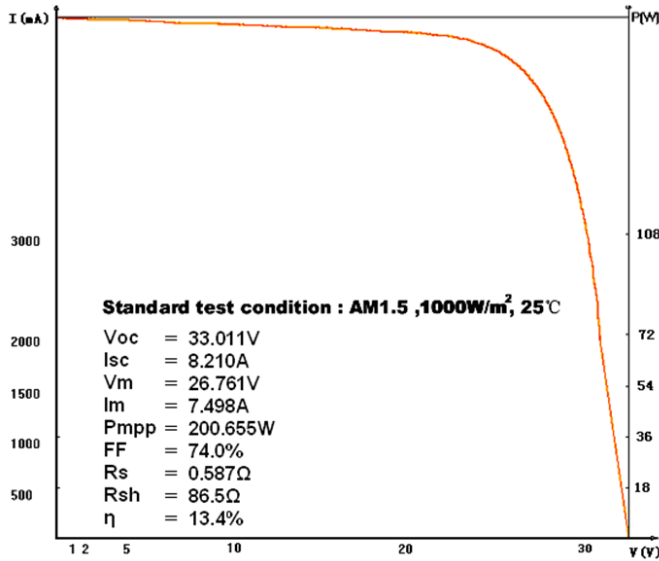




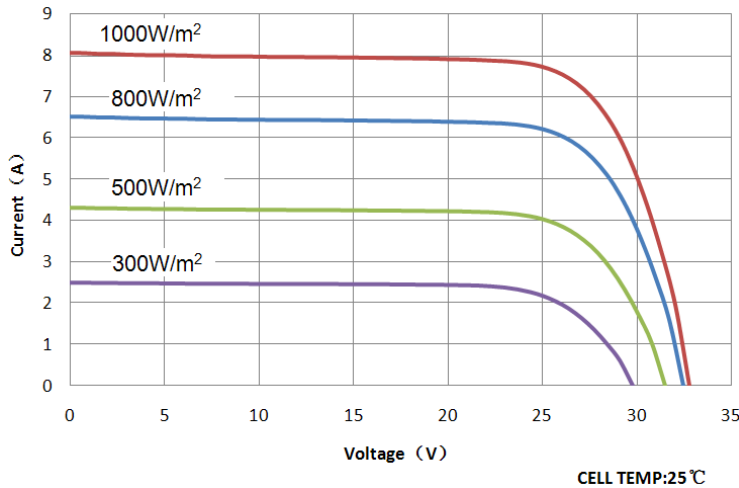
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6. I-V characteristic curve

6.1 I-V characteristic curve of module at STC



6.2 I-V characteristics curve at various irradiance levels



6.3 I-V characteristics curve at various cell temperatures

