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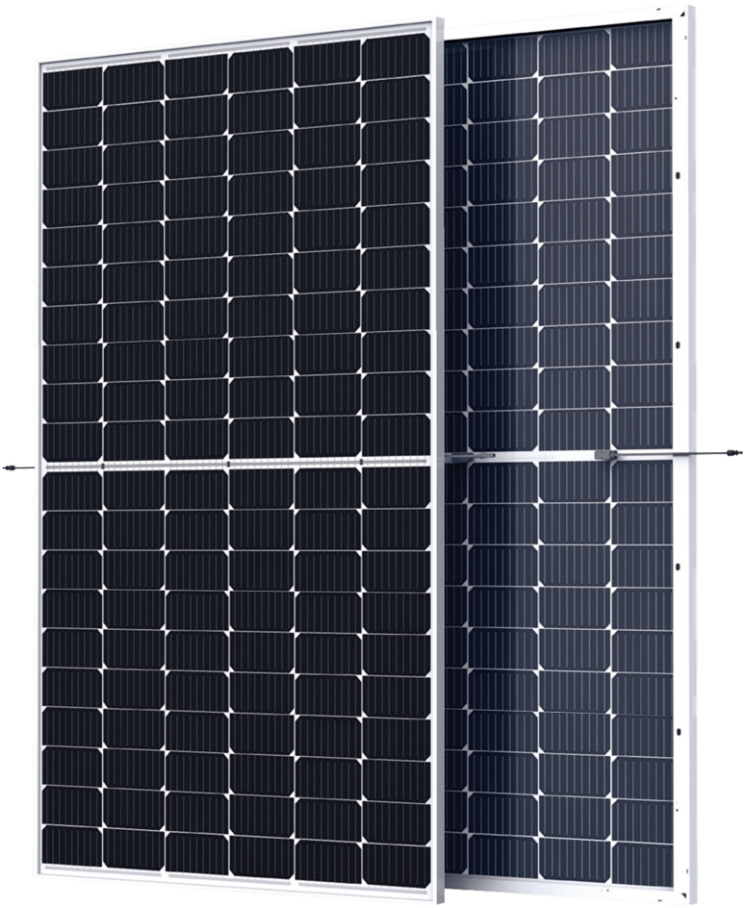
SF-M16/G120
365-380W
166*83mm cells 60



Bifacial Double Glass

PERC half-cell module

Max Power out:380W
Max Efficiency:20.86%
Power tolerance:0~+5W

SMBB Technology

Better light trapping and current collection to improve module power output and reliability

Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.

PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.

Enhanced Mechanical Load

Certified to withstand:wind load (2400 Pascal) and snow load (5400 Pascal).

Durability Against Extreme Environmental Conditions

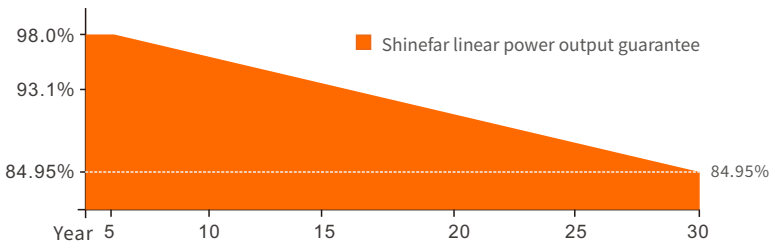
High salt mist and ammonia resistance.

High energy generation,low LCOE

Low Pmax temp coefficient (-0.36%) increases energy production

Superior Warranty

- 15-year material&technology warranty
- 30-year linear power output warranty



Comprehensive Products and System Certificates

- IEC 61215,IEC 61730,IEC 61701,IEC 62716
- ISO 9001:2015 Quality management systems
- ISO 14001:2015 Environmental management systems
- ISO 45001：2018 Occupational health and safety management systems

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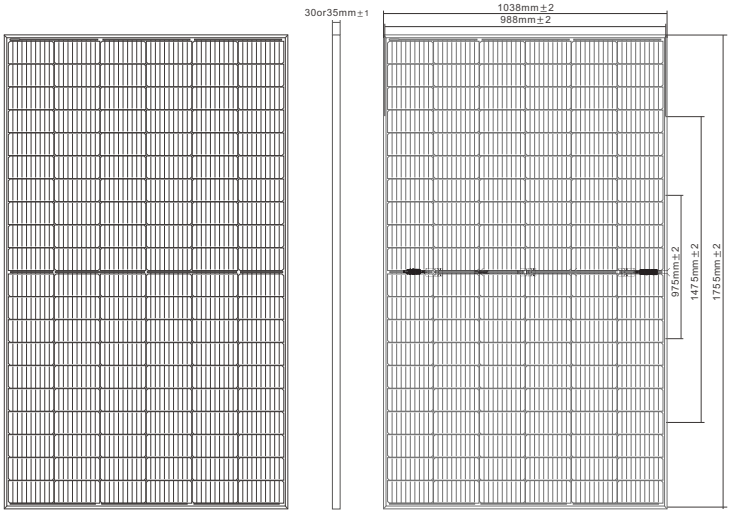
Engineering Drawings



Front Side Back

Structural parameter

Dimensions of Module	1755x1038x30mm or 1755x1038x35mm
Weight	23.5kg
packing	37/31/pallet,1053/884/40hq
Front Glass	High Transparency Solar Glass 2.0mm
Back Glass	Heat Strengthened Glass 2.0mm
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm², 300mm
Bypass Diodes	3pcs
Wind/ Snow Load	2400Pa/5400Pa
Connector	MC4 Compatible

Electrical Specification

(STC:Irradiance 1000W/m², cell temperature 25°C, AM1.5G — NOCT:Irradiance 800W/m2, Ambient temperature 20°C, Wind speed 1m/s)

Module Type	SF-M16/G120365		SF-M16/G120370		SF-M16/G120375		SF-M16/G120380	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax) [W]	365	274.54	370	274.54	375	278.25	380	281.96
Maximum Power Voltage (Vmp) [V]	34.13	32.14	34.33	32.14	34.53	32.33	34.73	32.52
Maximum Power Current (Imp) [A]	10.69	8.54	10.78	8.54	10.86	8.61	10.94	8.67
Open Circuit Voltage (Voc) [V]	41.17	38.73	41.37	38.73	41.57	38.92	41.77	39.11
Short Circuit Current (Isc) [A]	11.23	8.96	11.31	8.96	11.38	9.02	11.45	9.07
Module Efficiency[%]	20.04		20.31		20.59		20.86	
Cell Type[mm]	Mono 166x83,120 cells							
Operational Temperature[°C]	-40~+85°C							
Maximum System Voltage	1500V DC							
Max Series Fuse Rating	20A							

Electrical characteristics with different power bin(reference to 10% Irradiance ratio)

Total Equivalent power(Pmax)[Wp]	402	407	413	418
Maximum Power Voltage (Vmp) [V]	34.13	34.33	34.53	34.73
Maximum Power Current (Imp) [A]	11.76	11.86	11.95	12.04
Open Circuit Voltage (Voc) [V]	41.17	41.37	41.57	41.77
Short Circuit Current (Isc) [A]	12.35	12.44	12.52	12.59
Irradiance ratio(rear/front)	10%			

Temperature Ratings

Nominal Operating Cell Temperature	45±2°C
Temperature Coefficient of Isc	+0.06%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Pmax	-0.39%/°C

Curve diagram