

# SF-M15L/G120

## 335-350W

158.75 ± 1.5 × 79.375 ± 1.5mm

Cells 120



### Bifacial Double Glass

### PERC Half-Cell Module

Max Power Out: 350W

Max Efficiency: 20.74%

Power Tolerance: 0~+5W



#### SMBB Technology

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



#### PID Resistance

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



#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



#### Reduced Hot Spot Loss

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



#### Enhanced Mechanical Load

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

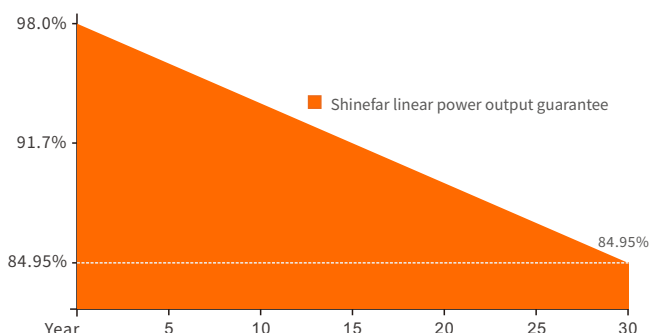


#### High Energy Generation, Low LCOE

Low Pmax temp coefficient increases energy production

### Superior Warranty

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

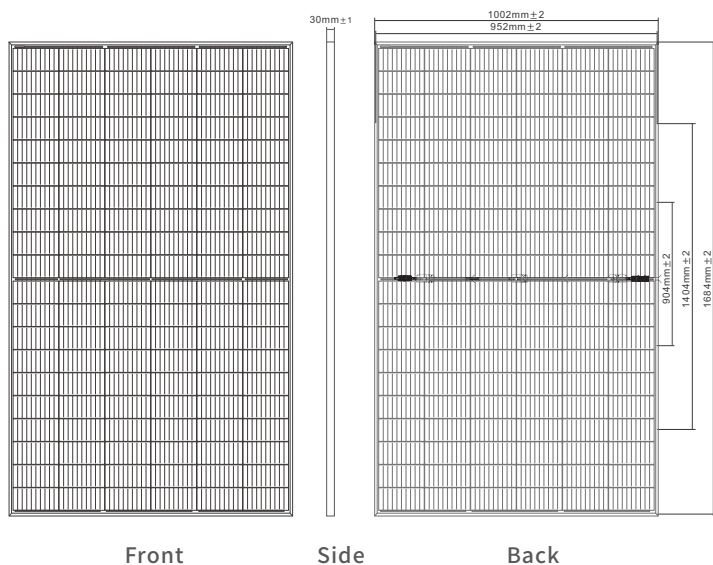


### Comprehensive Products and System Certificates

- IEC/EN61215-1:2021 & IEC/EN61215-2:2021
- IEC/EN61730-1:2016 & IEC/EN61730-2:2016
- UL61730-1:2017 & UL61730-2:2017
- UL61215-1:2017 & UL61215-2:2017
- IEC 61701:2020-Saltmist
- IEC 62716:2013-Ammonia
- IEC 62804:2020-PID
- IECEE Certificate Body (CB)
- UKCA:EN61730-2018
- ISO9001 & ISO14001 & ISO45001



## Engineering Drawings



## Structural Parameter

Dimensions of Module	1684 × 1002 × 30mm
Weight	22.5kg
Packing	37PCS/Pallet, 1092PCS/40HQ
Front Glass	High Transparency Solar Glass 2.0mm
Back Glass	Heat Strengthened Glass 2.0mm
Frame	Anodized Aluminum Alloy & Custom Color Accepted
J-Box	IP68 Rated
Cable	4.0mm <sup>2</sup> , 300mm
Bypass Diodes	3PCS
Wind/ Snow Load	2400Pa/5400Pa
Connector	MC4 Compatible

## Electrical Specification

(STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5G — NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s)

Module Type	SF-M15L/G120335		SF-M15L/G120340		SF-M15L/G120345		SF-M15L/G120350	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax) [W]	335	248.63	340	252.34	345	255.99	350	259.7
Maximum Power Voltage (Vmp) [V]	33.80	31.40	34.00	31.60	34.20	31.80	34.40	32.00
Maximum Power Current (Imp) [A]	9.92	7.92	10.00	7.99	10.09	8.05	10.17	8.12
Open Circuit Voltage (Voc) [V]	40.90	38.00	41.10	38.20	41.30	38.40	41.50	38.60
Short Circuit Current (Isc) [A]	10.38	8.29	10.46	8.35	10.54	8.41	10.61	8.47
Module Efficiency [%]	19.85		20.15		20.45		20.74	
Cell Type [mm]	Mono 158.75 ± 1.5 × 79.375 ± 1.5, 120 Cells							
Operational Temperature [°C]	-40 ~ +85°C							
Maximum System Voltage	1500V DC							
Max Series Fuse Rating	15A							

## Electrical Characteristics With Different Power Bin (Reference to 10% Irradiance Ratio)

Total Equivalent Power (Pmax) [Wp]	368.5	374	379.5	385
Maximum Power Voltage (Vmp) [V]	33.80	34.00	34.20	34.40
Maximum Power Current (Imp) [A]	10.90	11.00	11.10	11.19
Open Circuit Voltage (Voc) [V]	40.90	41.10	41.30	41.50
Short Circuit Current (Isc) [A]	11.41	11.50	11.59	11.68
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

