

# SF-M15/60

## 300-315W

156.75 ± 1.5 × 156.75 ± 1.5mm

Cells 60



### Monocrystalline

PERC Full Cell Module

Max Power Out: 315W

Max Efficiency: 19.40%

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.

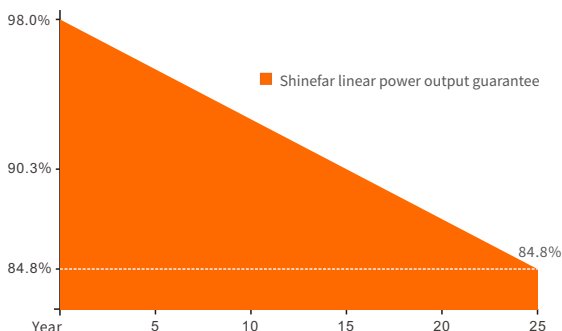


#### High Energy Generation, Low LCOE

Low Pmax temp coefficient increases energy production

### Superior Warranty

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

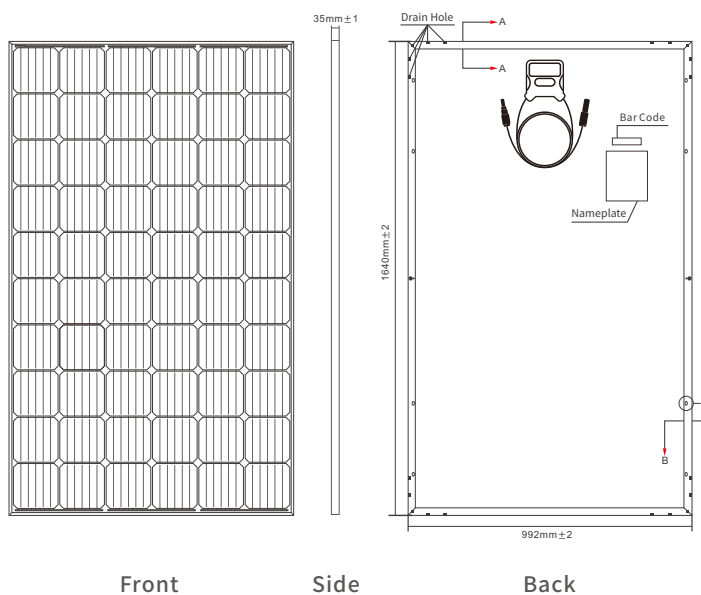


### Comprehensive Products and System Certificates

- 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	1640×992×35mm
Weight	17.0kg
Packing	31PCS/Pallet, 980PCS/40HQ
Glass	High Transparency Solar Glass 3.2mm
Backsheet	White
Frame	Anodized Aluminum Alloy & Custom Color Accepted
J-Box	IP67 Rated
Cable	4.0mm <sup>2</sup> , 900mm
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-M15/60300		SF-M15/60305		SF-M15/60310		SF-M15/60315	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax) [W]	300	222.6	305	226.5	310	230.43	315	233.78
Maximum Power Voltage (Vmp) [V]	32.40	30.00	32.60	30.20	32.80	30.40	33.00	30.60
Maximum Power Current (Imp) [A]	9.26	7.42	9.36	7.50	9.46	7.58	9.55	7.64
Open Circuit Voltage (Voc) [V]	39.50	36.60	39.70	36.80	39.90	37.00	40.10	37.20
Short Circuit Current (Isc) [A]	9.78	7.91	9.87	7.98	9.96	8.05	10.04	8.12
Module Efficiency [%]	18.40		18.70		19.10		19.40	
Cell Type [mm]	Mono 156.75±1.5×156.75±1.5, 60 Cells							
Operational Temperature [°C]	-40~+85°C							
Maximum System Voltage	1500V DC							
Max Series Fuse Rating	15A							

## 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

