

# SF-M15/72

## 365-380W

### 156.75 × 156.75mm cells 72



### Monocrystalline

### PERC Full Cell Module

Max Power out: 380W

Max Efficiency: 19.58%

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.

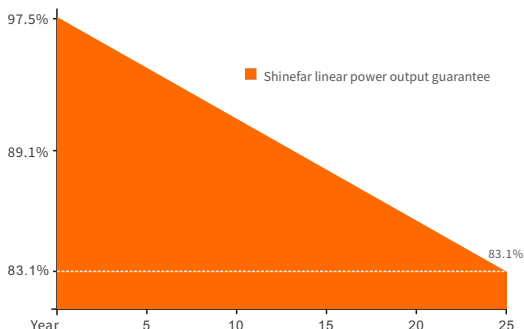


#### High energy generation, low LCOE

Low Pmax temp coefficient increases energy production

### Superior Warranty

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

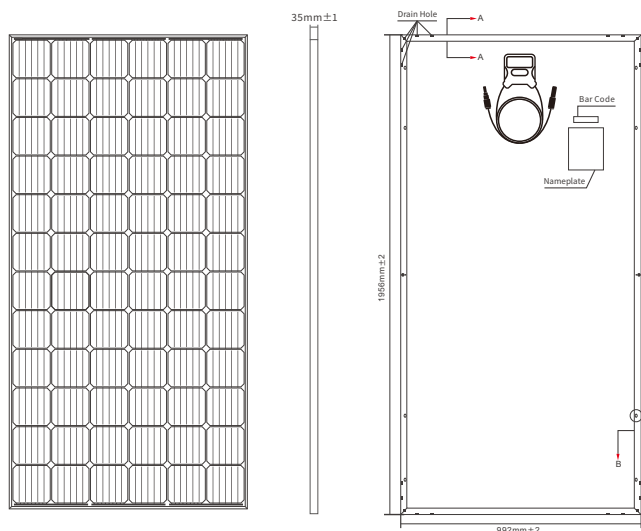


### Comprehensive Products and System Certificates

- 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 CertificateBody (CB)
- UKCA:EN61730-2018
- ISO9001 & ISO14001 & ISO45001



## Engineering Drawings



Front

Side

Back

## Structural Parameter

Dimensions of Module	1956×992×35mm
Weight	19kg
Packing	31/pallet, 840/40hq
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> , 1100mm
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-M15/72365		SF-M15/72370		SF-M15/72375		SF-M15/72380	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax) [W]	365	270.75	370	274.43	375	248.87	380	252.59
Maximum Power Voltage (Vmp) [V]	39.20	36.10	39.40	36.30	39.6	36.50	39.8	36.70
Maximum Power Current (Imp) [A]	9.31	7.50	9.39	7.56	9.47	6.82	9.55	6.88
Open Circuit Voltage (Voc) [V]	47.60	44.20	47.80	44.30	48	44.50	48.2	44.70
Short Circuit Current (Isc) [A]	9.89	8.00	9.97	8.06	10.05	7.26	10.12	7.30
Module Efficiency [%]	18.80		19.10		19.32		19.58	
Cell Type [mm]	Mono 156.75×156.75, 72 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

