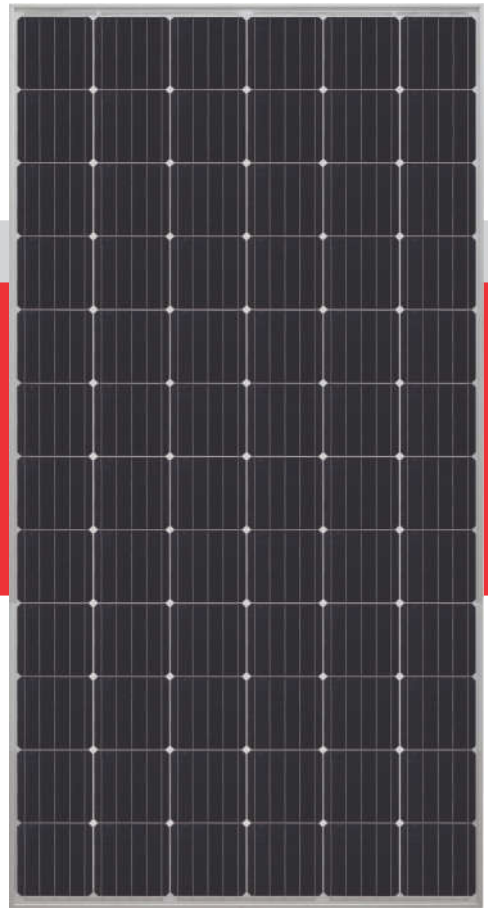


# VSUN

Innovative & Smart



## VSUN380-72M

VSUN380-72M  
VSUN370-72M  
VSUN360-72M

VSUN375-72M  
VSUN365-72M

19.62%

Module efficiency

12years

Material & Workmanship warranty

380W

Highest power output

25years

Linear power output warranty



PID-free



World class mono efficiency



Tighter product performance distribution and current sorting reduces the mismatch power loss in system operation



Positive tolerance offer



Good temperature coefficient enables higher output in high temperature regions



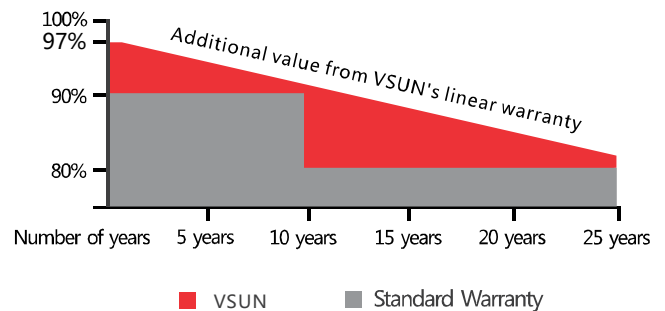
Excellent performance under low light conditions



Certified for salt/ammonia corrosion resistance



Load certificates: wind to 2400Pa and snow to 5400Pa



- 12-year product warranty
- 25-year linear power output warranty

Vietnam Sunergy Company Limited (VSUN) is a global company providing high-performance solar modules for reliable green power generation.

Through strict selection of raw materials, stringent quality control and rigorous tests, VSUN always commits to higher efficiency, more stable and better cost effective products supply.

VSUN offers PV project development and investments and provides full package of service for EPC solutions.

Note:

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Originated from Japan  
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www.vsun-solar.com

## Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN380-72M	VSUN375-72M	VSUN370-72M	VSUN365-72M	VSUN360-72M
Maximum Power - Pmax (W)	380	375	370	365	360
Open Circuit Voltage - Voc (V)	47.8	47.6	47.5	47.4	47.3
Short Circuit Current - Isc (A)	10.07	9.98	9.9	9.79	9.67
Maximum Power Voltage - Vmpp (V)	39.3	39.1	38.9	38.8	38.6
Maximum Power Current - Imp (A)	9.67	9.59	9.52	9.41	9.33
Module Efficiency	19.62%	19.37%	19.11%	18.85%	18.59%

Standard Test Conditions (STC): irradiance 1,000 W/m<sup>2</sup>; AM 1.5; module temperature 25°C. Tolerance of Pmp: 0~+3%.  
Measuring uncertainty of power: ±3%.

## Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN380-72M	VSUN375-72M	VSUN370-72M	VSUN365-72M	VSUN360-72M
Maximum Power - Pmax (W)	281	277.4	274.1	270.3	267
Open Circuit Voltage - Voc (V)	44.2	44	43.9	43.8	43.7
Short Circuit Current - Isc (A)	8.14	8.06	8	7.91	7.81
Maximum Power Voltage - Vmpp (V)	36.6	36.5	36.3	36.2	36.2
Maximum Power Current - Imp (A)	7.68	7.61	7.54	7.46	7.37

Normal Operating Cell Temperature( NOCT) : irradiance 800W/m<sup>2</sup>; wind speed 1 m/s; cell temperature 45°C; ambient temperature 20°C.  
Measuring uncertainty of power: ±3%.

## Temperature Characteristics

NOCT	45°C ( ±2°C )	Maximum System Voltage [V]	1000
Voltage Temperature Coefficient	-0.29%/°C		20
Current Temperature Coefficient	+0.05%/°C		
Power Temperature Coefficient	-0.39%/°C		

## Maximum Ratings

## Material Characteristics

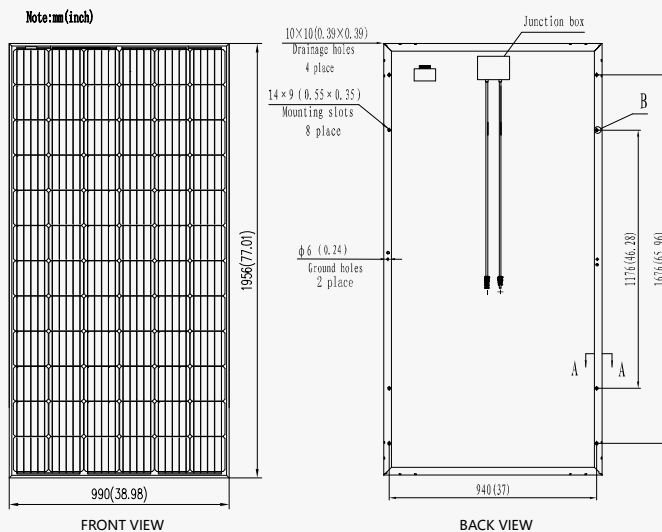
Dimensions	1956×990×40mm (L×W×H)
Weight	22.0kg
Frame	Anodized aluminum profile
Front Glass	White toughened safety glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Glass	Composite film
Cells	6×12 pieces monocrystalline solar cells series strings (156.75mm×156.75mm)
Junction Box	Rated current ≥13A, IP ≥67, TUV&UL
Cable&Connector	Length 1200 mm, 1×4 mm <sup>2</sup> , compatible with MC4

## Packaging

Dimensions(L×W×H)	1980×1110×1120mm	Temperature Range	-40 °C to + 85 °C
Container 20'	270	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s
Container 40'	648	Maximum Surface Load	5,400 Pa
Container 40'HC	708	Application class	class A

## System Design

## Dimensions



## IV-Curves

