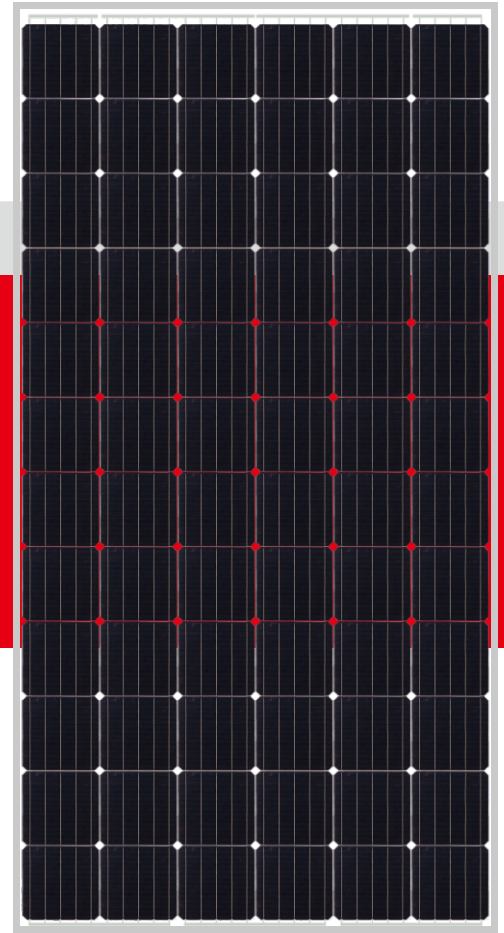


## VSUN385-72BMH-DG

High Efficiency Low LID  
Bifacial PERC Technology

VSUN385-72BMH-DG VSUN380-72BMH-DG  
VSUN375-72BMH-DG VSUN370-72BMH-DG



19.15%

Module efficiency

12years

Material & Workmanship warranty

385W

Highest power output

30years

Linear power output warranty



P-type PERC bifacial cell technology



Up to 30% more energy yield due to the back side power generation



Low LCOE



Minimize micro-crack and free of snail trails



Outstanding temperature coefficient



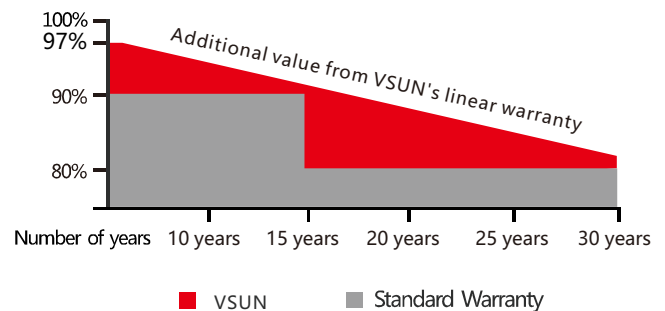
Excellent performance under low light conditions




Certified for salt/ammonia corrosion resistance



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



**Munich RE**  **-12-year product warranty**  
**-30-year linear power output warranty**

Invested by Fuji Solar, VSUN is a Japanese solar module solutions provider located in Tokyo that offers Japanese quality solar technologies globally. The group's business started in Japan in 2006, later spreading to North America, Southeast Asia, and EMEA.

Innovative & Smart – VSUN has been committed to providing greener, cleaner, and more intelligent renewable energy solutions. It is focusing on the new energy market and the development of customized and high-efficiency products.

Note:

All information and data are subject to change without notice.  
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A Sub-company of **FUJISOLAR**



## Electrical Characteristics at Standard Test Conditions(STC)

| Module Type                      | VSUN385-72BMH-DG | VSUN380-72BMH-DG | VSUN375-72BMH-DG | VSUN370-72BMH-DG |
|----------------------------------|------------------|------------------|------------------|------------------|
| Maximum Power - Pmax (W)         | 385              | 380              | 375              | 370              |
| Open Circuit Voltage - Voc (V)   | 48.5             | 48.3             | 48.1             | 47.9             |
| Short Circuit Current - Isc (A)  | 10.02            | 9.93             | 9.85             | 9.79             |
| Maximum Power Voltage - Vmpp (V) | 40.4             | 40.2             | 39.9             | 39.7             |
| Maximum Power Current - Imp (A)  | 9.54             | 9.47             | 9.4              | 9.32             |
| Module Efficiency                | 19.15%           | 18.91%           | 18.66%           | 18.41%           |

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 with different rear side power gain(reference to 380 front)

| Pmax (W) | Voc (V) | Isc (A) | Vmpp (V) | Imp (A) | Pmax gain |
|----------|---------|---------|----------|---------|-----------|
| 399      | 48.3    | 10.33   | 40.2     | 10.04   | 5%        |
| 418      | 48.3    | 10.72   | 40.2     | 10.51   | 10%       |
| 456      | 48.4    | 11.72   | 40.1     | 11.55   | 20%       |
| 475      | 48.4    | 12.21   | 40.1     | 12.03   | 25%       |

## Temperature Characteristics

|                                 |             |                            |           |
|---------------------------------|-------------|----------------------------|-----------|
| NOCT                            | 45°C(±2°C)  | Maximum System Voltage [V] | 1000/1500 |
| Voltage Temperature Coefficient | -0.28%/°C   | Series Fuse Rating [A]     | 20        |
| Current Temperature Coefficient | +0.0449%/°C | Bifaciality                | 70%±5%    |
| Power Temperature Coefficient   | -0.367%/°C  |                            |           |

## Maximum Ratings

## Material Characteristics

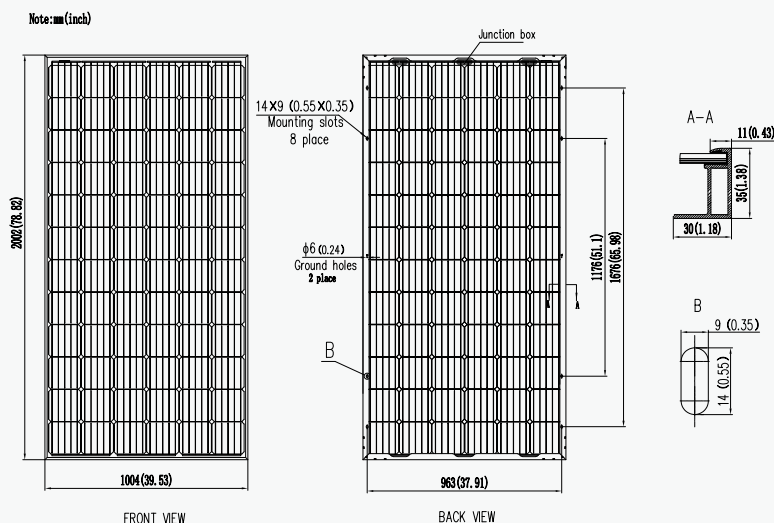
|                    |   |
|--------------------|---|
| Dimensions         | 2002×1004×35mm (L×W×H)  |
| Weight             | 24.8kg  |
| Frame              | Silver anodized aluminum profile  |
| Front Glass        | High transparency,Antireflection coated,Semi-toughened safety glass,2.0mm |
| Cell Encapsulation | EVA (Ethylene-Vinyl-Acetate)  |
| Back Glass         | Semi-toughened safety glass,2.0mm   |
| Cells              | 6×12 pieces bifacial monocrystalline solar cells series strings           |
| Junction Box       | Rated current≥13A, IP≥67  |
| Cable&Connector    | Length 500 mm, 1×4 mm <sup>2</sup> , compatible with MC4                  |

## Packaging

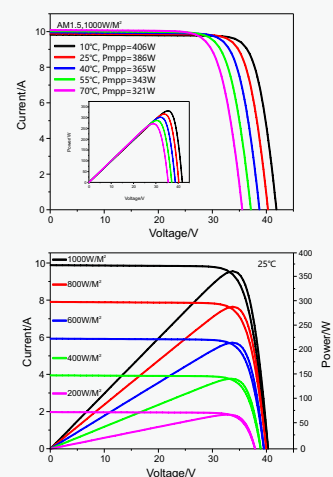
|                   |                  |                      |   |
|-------------------|------------------|----------------------|---|
| Dimensions(L×W×H) | 2030×1110×1140mm | Temperature Range    | -40 °C to + 85 °C                                     |
| Container 20'     | 300              | Withstanding Hail    | Maximum diameter of 25 mm with impact speed of 23 m/s |
| Container 40'     | 660              | Maximum Surface Load | 5,400 Pa  |
| Container 40'HC   | 715              | Application class    | class A   |

## System Design

## Dimensions



## IV-Curves



Excellent performance under weak light condition.