

# VSUN390-72BMH-DG

VSUN390-72BMH-DG VSUN385-72BMH-DG  
VSUN380-72BMH-DG VSUN375-72BMH-DG

**390W**

Highest power output

**19.40%**

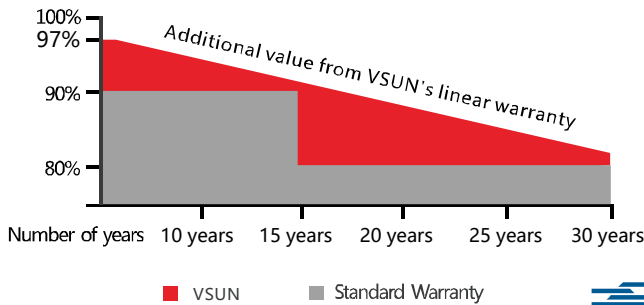
Module efficiency

**12years**

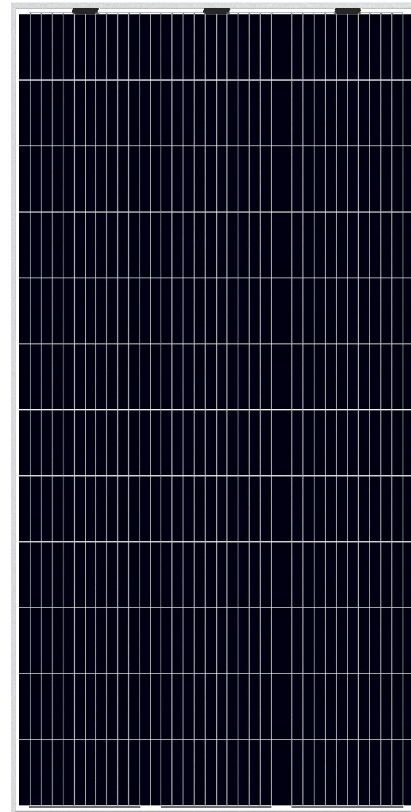
Material & Workmanship warranty

**30years**

Linear power output warranty



Munich RE



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

VSUN, a BNEF Tier-1 PV module manufacturer invested by Fuji Solar, has been committed to providing greener, cleaner and more intelligent renewable energy solutions. VSUN is dedicated to bringing reliable, customized and high-efficient products into various markets and customers worldwide



## Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN390-72BMH-DG	VSUN385-72BMH-DG	VSUN380-72BMH-DG	VSUN375-72BMH-DG
Maximum Power - Pmax (W)	390	385	380	375
Open Circuit Voltage - Voc (V)	49.3	49	48.8	48.5
Short Circuit Current - Isc (A)	10.11	10.03	9.94	9.85
Maximum Power Voltage - Vmpp (V)	40.6	40.4	40.2	39.9
Maximum Power Current - Imp (A)	9.61	9.53	9.46	9.4
Module Efficiency	19.40%	19.15%	18.91%	18.66%

Standard Test Conditions (STC): irradiance 1,000 W/m<sup>2</sup>; AM 1.5; Cell temperature 25°C. Pmax Sorting : 0~5W. Measuring Tolerance: ±3%.

Remark: Electrical data do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## Electrical Characteristics with different rear side power gain(reference to 385 front)

Pmax (W)	Voc (V)	Isc (A)	Vmpp (V)	Imp (A)	Pmax gain
404	49.0	10.53	40.5	10.01	5%
424	49.0	11.03	40.5	10.48	10%
462	49.1	12.04	40.4	11.44	20%
481	49.1	12.54	40.4	11.91	25%

## Temperature Characteristics

NOCT	45°C(±2°C)	Maximum System Voltage [V]	1000/1500
Voltage Temperature Coefficient	-0.26%/°C	Series Fuse Rating [A]	20
Current Temperature Coefficient	+0.054%/°C	Bifaciality	70%±5%
Power Temperature Coefficient	-0.32%/°C		

## Maximum Ratings

## Material Characteristics

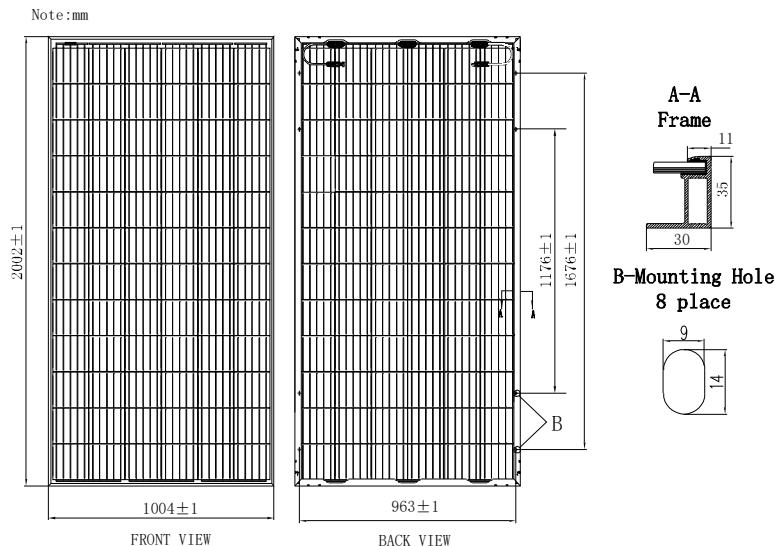
Dimensions	2002×1004×35mm (L×W×H)
Weight	24.8kg
Frame	Silver anodized aluminum profile
Front Glass	High transparency,Antireflection coated,Semi-toughened safety glass,2.0mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Glass	Semi-toughened safety glass,2.0mm
Cells	6×12 pieces bifacial monocrystalline solar cells series strings
Junction Box	IP≥67, 3 diodes
Cable&Connector	Potrait: 500 mm (cable length can be customized) , 1×4 mm 2 , compatible with MC4

## Packaging

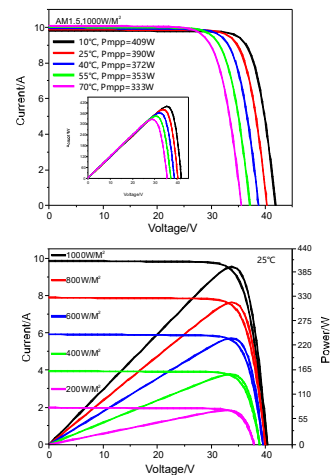
Dimensions(L×W×H)	2030×1105×1140mm	Temperature Range	-40 °C to + 85 °C
Container 20'	300	Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s
Container 40'	660	Maximum Surface Load	5,400 Pa
Container 40'HC	715	Application class	class A

## System Design

## Dimensions



## IV-Curves



Excellent performance under weak light condition.