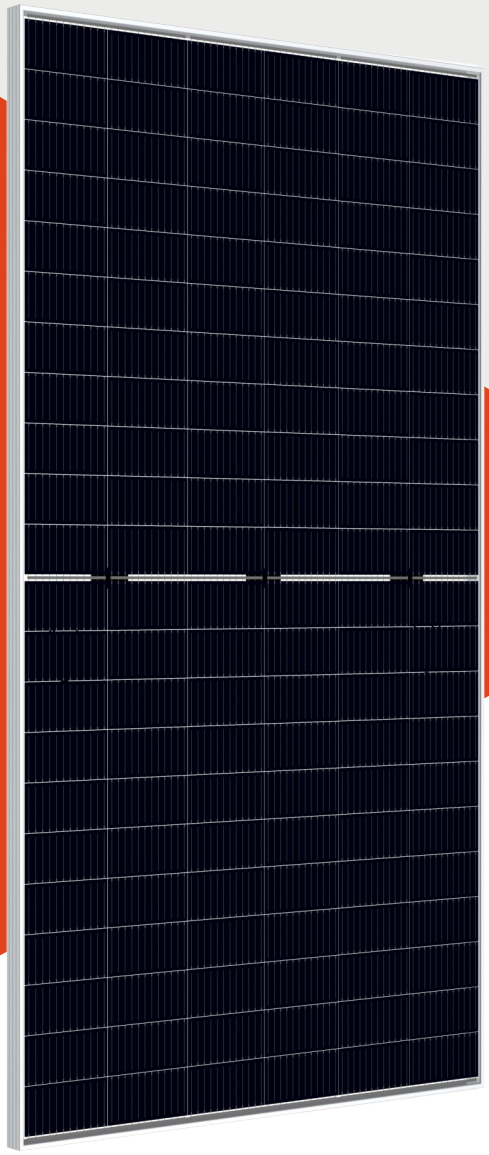


VSUN
Innovative & Smart

12 YEAR
QUALITY ASSURANCE

30 YEAR
POWER OUTPUT GUARANTEE

VSUN700N-132BMH-DG

VSUN700N-132BMH-DG VSUN695N-132BMH-DG
VSUN690N-132BMH-DG VSUN685N-132BMH-DG

700W
Highest power output

22.53%
Module efficiency

1.0%
First-year degradation warranty

0.40%
Annual degradation over 30 years

KEY FEATURES

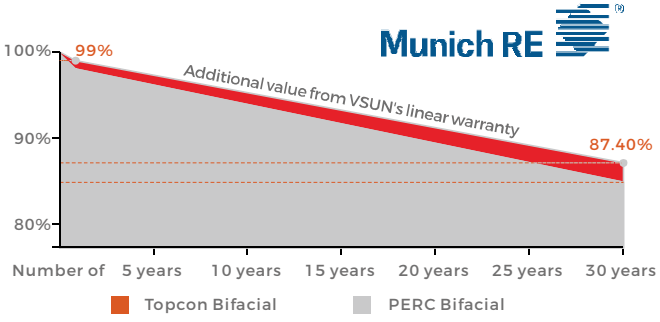
- TOPcon technology
- Higher output power
- MBB technology with Circular Ribbon
- Positive tolerance offer
- Bifacial cells, converting more sunlight into electricity
- Better shading tolerance
- Better temperature coefficient
- Excellent PID Resistance
- Lower LCOE
- UL 61730 & CSA 61730
  IEC 61215 & IEC 61730

ABOUT VSUN

Invested by Fuji Solar, VSUN SOLAR is a solar solution provider with headquartered in Tokyo, Japan that offers reliability, high efficiency solar products and technology globally. VSUN was rated as BNEF Tier 1 PV module manufacturer, PVEL Lab "Best performer" and EcoVadis "Bronze Award".

PRODUCT CERTIFICATION

WARRANTY



Update Time:2023.10.10

Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN700N-132BMH-DG	VSUN695N-132BMH-DG	VSUN690N-132BMH-DG	VSUN695N-132BMH-DG
Maximum Power - Pmax (W)	700	695	690	685
Open Circuit Voltage - Voc (V)	48.5	48.3	47.9	47.7
Short Circuit Current - Isc (A)	18.32	18.28	18.25	18.21
Maximum Power Voltage - Vmpp (V)	40.5	40.3	40.1	39.8
Maximum Power Current - Impp (A)	17.29	17.25	17.23	17.19
Module Efficiency	22.53%	22.37%	22.21%	22.05%

Standard Test Conditions (STC): irradiance 1,000 W/m²; AM 1,5; module 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 695 front)

Pmax (W)	Voc (V)	Isc (A)	Vmpp (V)	Impp (A)	Pmax gain
730	48.30	19.19	40.30	18.11	5%
765	48.30	20.11	40.30	18.98	10%
833	48.38	21.94	40.22	20.70	20%
867	48.38	22.85	40.22	21.56	25%

Material Characteristics

Dimensions	2384×1303×35mm (L×W×H) 93.86*51.30*1.38 inches (L×W×H)
Weight	38.5kg / 84.88lbs
Frame	Silver anodized aluminum profile
Front Glass	AR-coating Semi-toughened glass, 2.0mm
Back Glass	Glazed & Semi-toughened glass, 2.0mm
Cells	12×11 pieces monocrystalline solar cells series strings
Junction Box	IP68, 3 diodes
Cable&Connector	Potrait: 500 mm (cable length can be customized) , 1×4 mm2 or 12AWG

System Design

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Bifaciality	80%±10%
Fire Rating	Class C for IEC and TYPE 29 for US
Protection Class	Class II
Temperature Range	-40 °C to + 85 °C
Maximum Surface Load	5,400 Pa
Application class	Class A
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

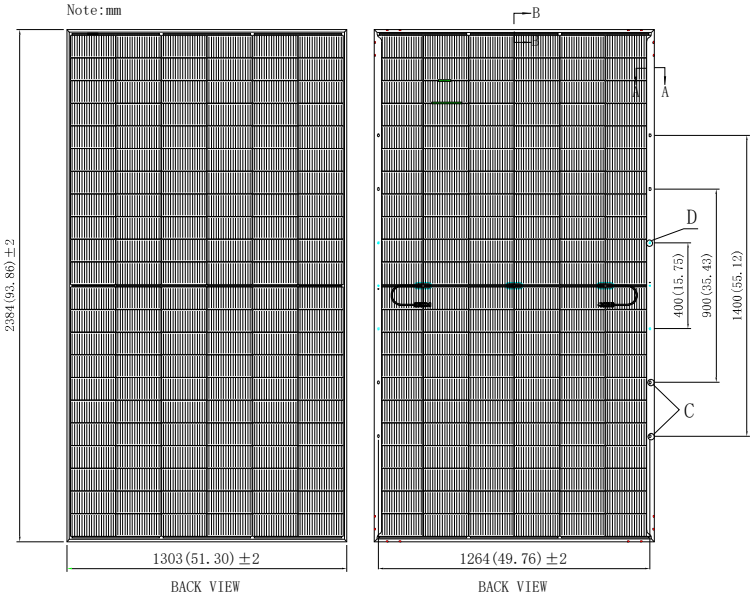
Packaging

Dimensions(L×W×H)	1325×1125×2510mm / 52.17*44.29*98.82inches
Quantity per pallet	31 pcs
Container 20'	/
Container 40'	/
Container 40'HC	558 or 496 for US

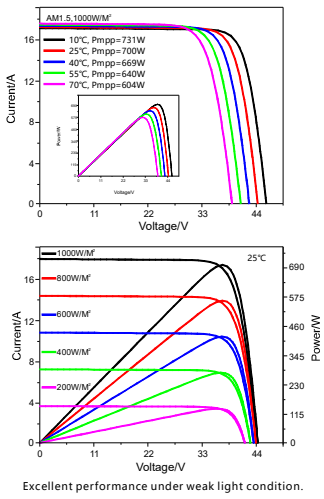
Temperature Characteristics

NOCT	45°C(±2°C)
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.30%/°C

Dimensions



IV-Curves



Excellent performance under weak light condition.

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