



25
YEAR
QUALITY ASSURANCE

30
YEAR
POWER OUTPUT GUARANTEE

VSUN575N-144BMH-DG

VSUN575N-144BMH-DG VSUN570N-144BMH-DG
 VSUN565N-144BMH-DG VSUN560N-144BMH-DG

575W
Highest power output

22.26%
Module efficiency

1.0%
First-year degradation warranty

0.4%
Annual degradation over 30 years

KEY FEATURES

TOPcon 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
-  Lower LCOE
-  UL 61730 & CSA 61730
IEC 61215 & IEC 61730

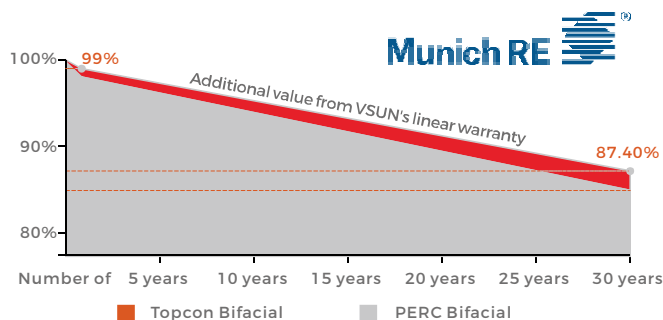
ABOUT VSUN

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 is rated as BNEF Tier 1 PV module manufacturer, PVEL Lab "Best performer" and EcoVadis "Bronze Award".

PRODUCT CERTIFICATION



WARRANTY



Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN575N-144BMH-DG	VSUN570N-144BMH-DG	VSUN565N-144BMH-DG	VSUN560N-144BMH-DG
Maximum Power - Pmax (W)	575	570	565	560
Open Circuit Voltage - Voc (V)	51.26	51.07	50.87	50.67
Short Circuit Current - Isc (A)	14.31	14.25	14.19	14.13
Maximum Power Voltage - Vmpp (V)	42.53	42.34	42.14	41.95
Maximum Power Current - Imp (A)	13.54	13.48	13.41	13.34
Module Efficiency	22.26%	22.07%	21.87%	21.68%

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 570 front)

Pmax (W)	Voc (V)	Isc (A)	Vmpp (V)	Imp (A)	Pmax gain
599	51.07	14.96	42.34	14.15	5%
628	51.07	15.68	42.34	14.83	10%
684	51.11	17.10	42.29	16.18	20%
713	51.11	17.81	42.29	16.85	25%

Material Characteristics

Dimensions	2278×1134×35mm (L×W×H) 89.69×44.65×1.38 inches (L×W×H)
Weight	32.7kg / 72.09lbs
Frame	Silver anodized aluminum profile
Front Glass	AR-coating Semi-toughened glass, 2.0mm
Back Glass	Glazed & Semi-toughened glass, 2.0mm
Cells	12×12 pcs mono solar cells series strings
Junction Box	IP68, 3 diodes Potrait: 500 mm (cable length can be customized),
Cable	1×4 mm ² or 12AWG, Connector: PV-ZH202B(Manufacturer by Zhejiang Zhonghuan Sunter PV Technology Co., Ltd.)

System Design

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Bifaciality	70%±10%
Fire Rating	Class C for IEC and TYPE 29 for US
Protection Class	Class II
Temperature Range	-40 °C to + 85 °C +5400/-2400 Pa +113/-50 psf
Maximum Surface Load	class A
Application class	Maximum diameter of 25 mm with impact speed of 23 m/s
Withstanding Hail	

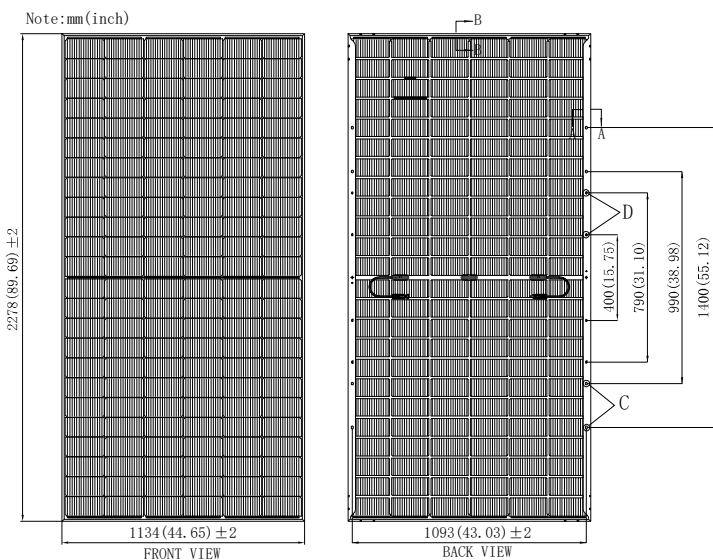
Packaging

Dimensions(L×W×H)	2310×1125×1253mm / 90.94×44.29×49.33inches
Quantity per pallet	30 pcs
Container 20'	150
Container 40'	300
Container 40'HC	600 or 540 for US

Temperature Characteristics

NOCT	45°C(±2°C)
Voltage Temperature Coefficient	-0.26%/°C
Current Temperature Coefficient	+0.046%/°C
Power Temperature Coefficient	-0.30%/°C

Dimensions



IV-Curves

