



## VSUN575N-144MH

VSUN575N-144MH  
VSUN565N-144MH

VSUN570N-144MH  
VSUN560N-144MH

**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



Lower risk of hot spot



Better shading tolerance



Better temperature coefficient



Lower LCOE



UL 61730 & CSA 61730  
IEC 61215 & IEC 61730

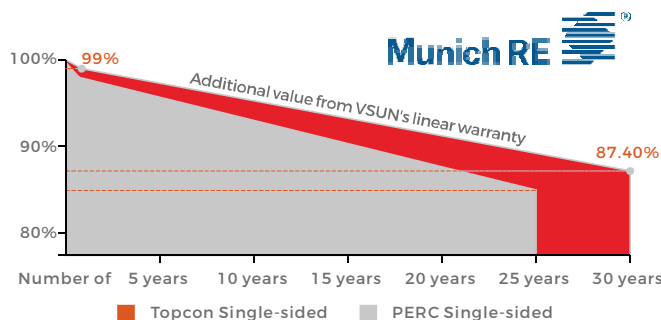
### ABOUT VSUN

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-144MH	VSUN570N-144MH	VSUN565N-144MH	VSUN560N-144MH
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/m<sup>2</sup>; 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 at Normal Operating Cell Temperature(NOCT)

Module Type	VSUN575N-144MH	VSUN570N-144MH	VSUN565N-144MH	VSUN560N-144MH
Maximum Power - Pmax (W)	433.7	430.1	425.9	400.9
Open Circuit Voltage - Voc (V)	48.2	48.1	47.9	46.4
Short Circuit Current - Isc (A)	11.56	11.51	11.46	11.13
Maximum Power Voltage - Vmpp (V)	39.8	39.7	39.5	38.2
Maximum Power Current - Imp (A)	10.9	10.84	10.79	10.49

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

## Material Characteristics

Dimensions	2278×1134×35mm (L×W×H) 89.69×44.65×1.38 inches (L×W×H)
Weight	28.8kg / 63.49lbs
Frame	Silver anodized aluminum profile
Front Glass	AR-Coating toughened glass, 3.2 mm
Back sheet	Composite film
Cells	12×12 pcs mono solar cells series strings
Junction Box	IP68, 3 diodes Portrait: 500 mm (cable length can be customized), 1×4 mm <sup>2</sup> or 12AWG, Connector: PV-ZH202B(Manufacturer by Zhejiang Zhonghuan Sunter PV Technology Co., Ltd.)
Cable	

## System Design

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Fire Rating	Class C for IEC and TYPE 1 for US
Protection Class	Class II
Temperature Range	-40 °C to + 85 °C
Maximum Surface Load	+5400/-2400 Pa +113/-50 psf
Application class	Class A
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s

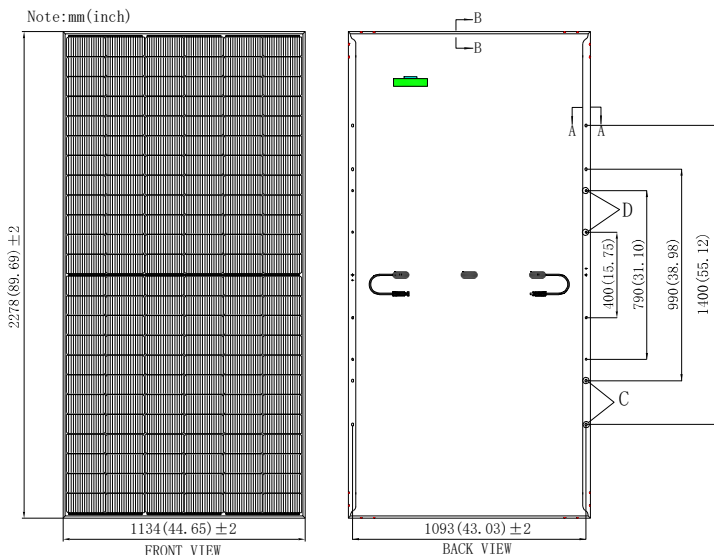
## Packaging

Dimensions(L×W×H)	2310×1125×1253mm / 90.94×44.29×49.33inches
Quantity per pallet	31 pcs
Container 20'	155
Container 40'	310
Container 40'HC	620

## 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

