

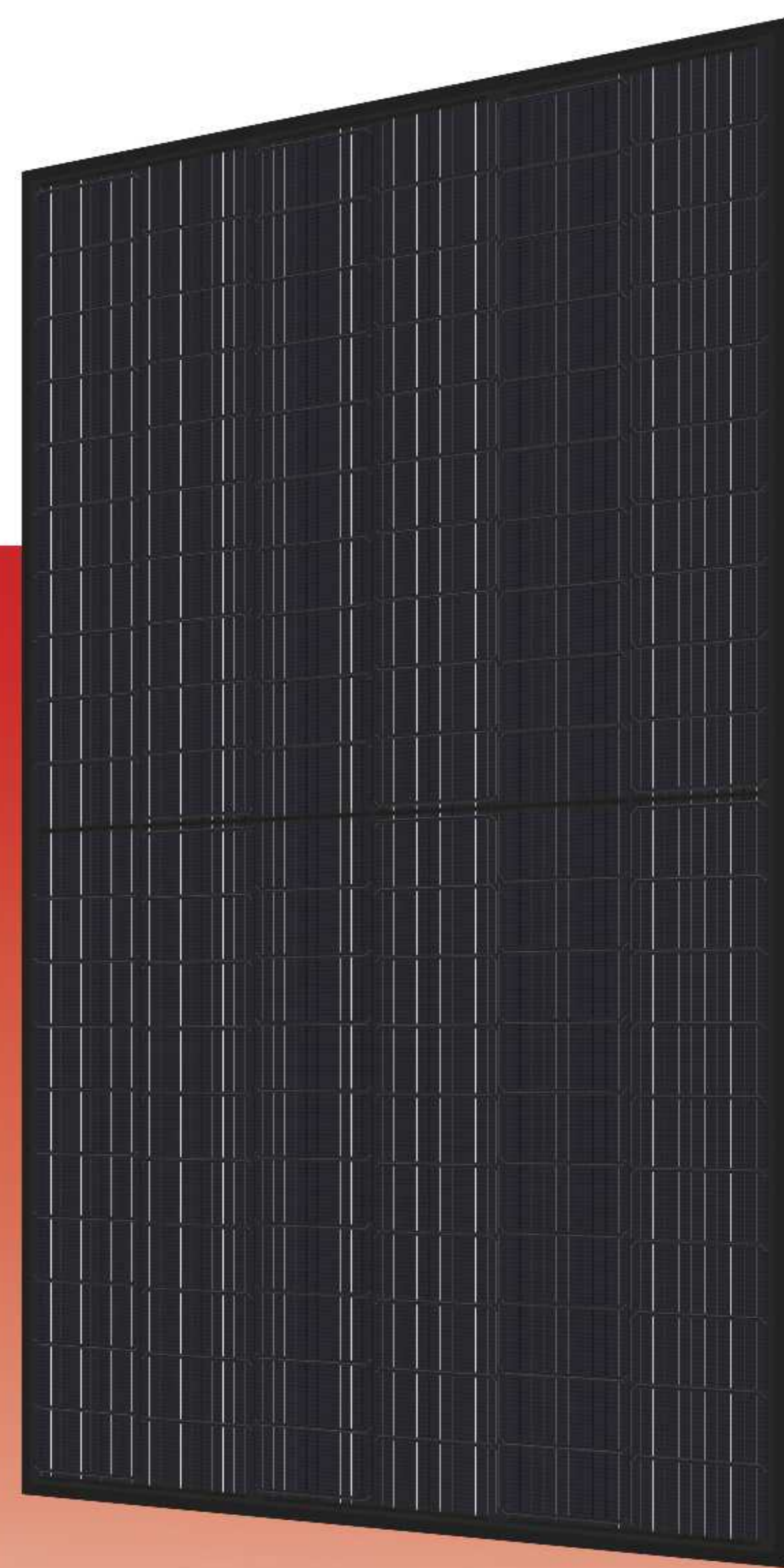
VSUN410-108BMH

VSUN410-108BMH

VSUN405-108BMH

VSUN400-108BMH

VSUN395-108BMH



410W

Highest power output

12 years

Material & Workmanship warranty

21.00%

Module efficiency

30 years

Linear power output warranty

KEY FEATURES



MBB technology with Circular Ribbon



Higher output power



Half-cell Technology



Positive tolerance offer



Micro Gap



Up to 30% extra power generation yield from the back side



Certified for salt/ammonia corrosion resistance



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



Lower LCOE

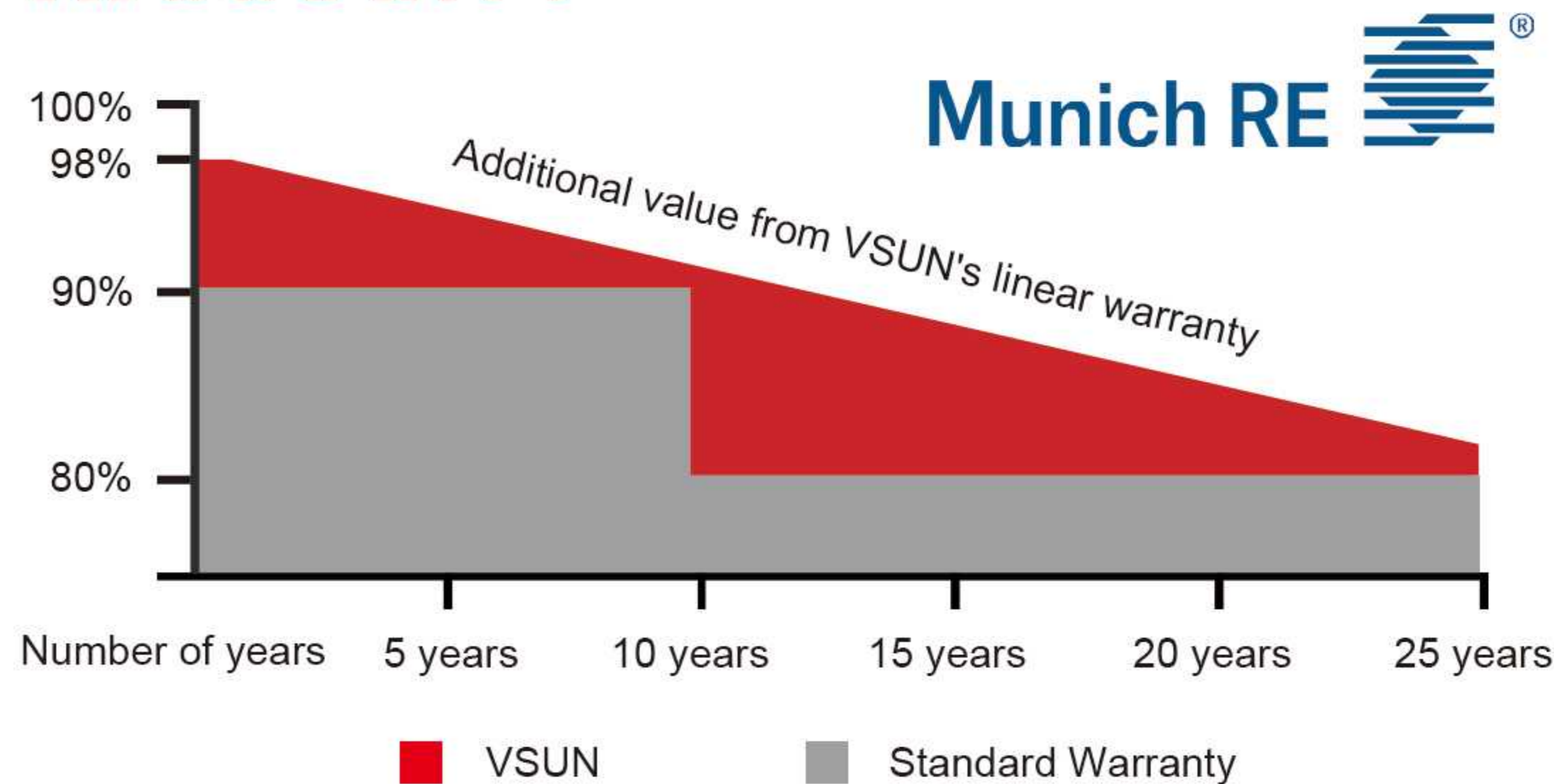
ABOUT US

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.

PRODUCT CERTIFICATION



WARRANTY



Electrical Characteristics at Standard Test Conditions(STC)

Module Type	VSUN410-108BMH	VSUN405-108BMH	VSUN400-108BMH	VSUN395-108BMH
Maximum Power - Pmax (W)	410	405	400	395
Open Circuit Voltage - Voc (V)	37.54	37.36	37.2	37.03
Short Circuit Current - Isc (A)	13.86	13.78	13.68	13.59
Maximum Power Voltage - Vmpp (V)	31.55	31.36	31.17	31.00
Maximum Power Current - Impp (A)	13.00	12.92	12.84	12.75
Module Efficiency	21.00%	20.74%	20.48%	20.23%

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 405 front)

Pmax (W)	Voc (V)	Isc (A)	Vmpp (V)	Impp (A)	Pmax gain
425	37.36	14.47	31.36	13.57	5%
446	37.36	15.16	31.36	14.21	10%
485	37.44	16.54	31.29	15.50	20%
505	37.44	17.23	31.29	16.15	25%

Material Characteristics

Dimensions	1722×1134×30mm (L×W×H)
Weight	21.4kg
Frame	Black anodized aluminum profile
Front Glass	Toughened AR-Coating glass, 3.2 mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate) or POE
Back Sheet	Transparent black-mesh backsheet
Cells	12×9 pieces monocrystalline solar cells series strings
Junction Box	IP68, 3 diodes
Cable&Connector	Potrait: 500 mm (cable length can be customized) , 1×4 mm ² , Staubli connector

Temperature Characteristics

NOCT	45°C(±2°C)
Voltage Temperature Coefficient	-0.27%/°C
Current Temperature Coefficient	+0.048%/°C
Power Temperature Coefficient	-0.32%/°C

Maximum Ratings

Maximum System Voltage [V]	1500
Series Fuse Rating [A]	30
Bifaciality	70%±10%

Packaging

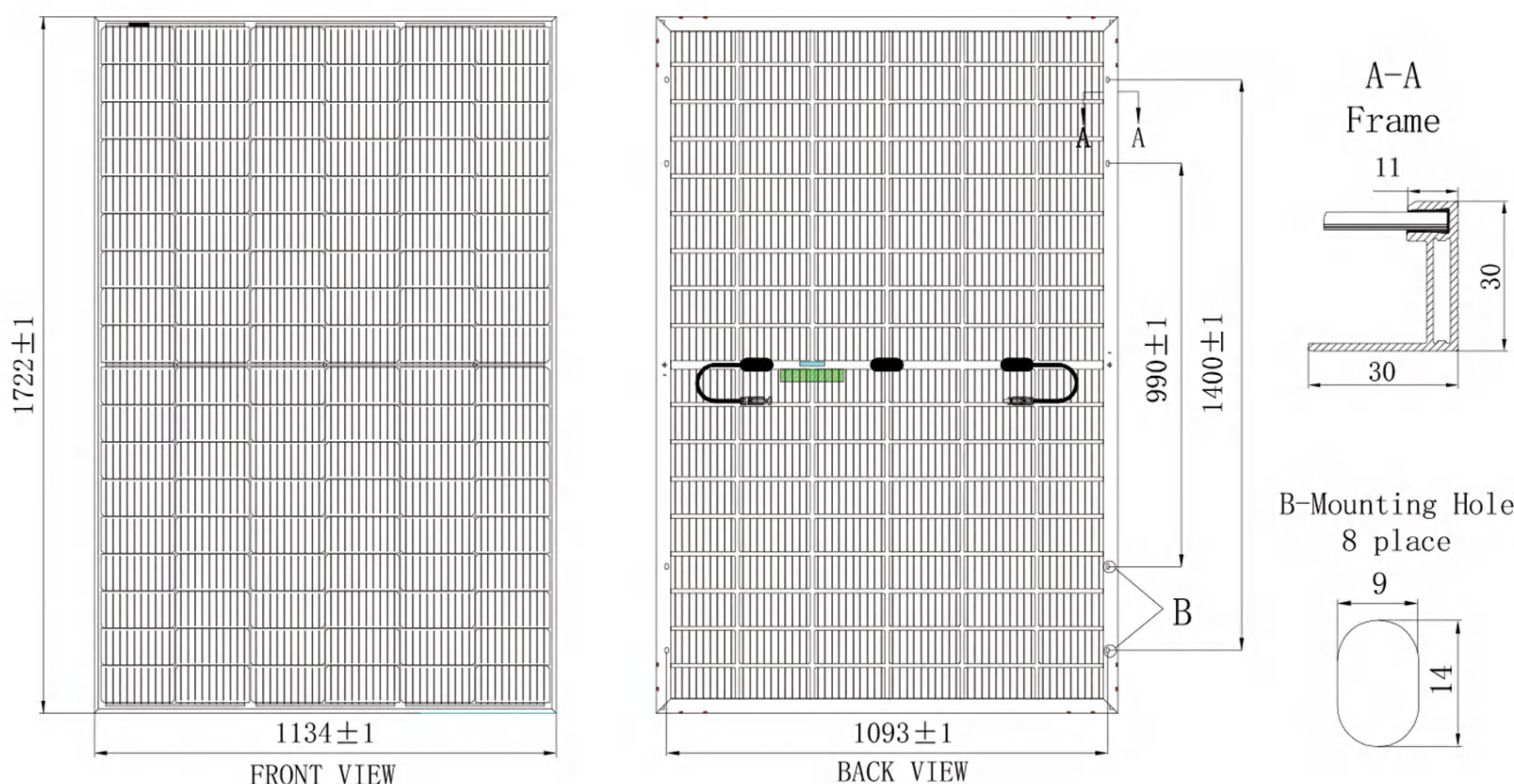
Dimensions(L×W×H)	1760×1125×1253mm
Container 20'	216
Container 40'	468
Container 40'HC	936 or 828 for US

System Design

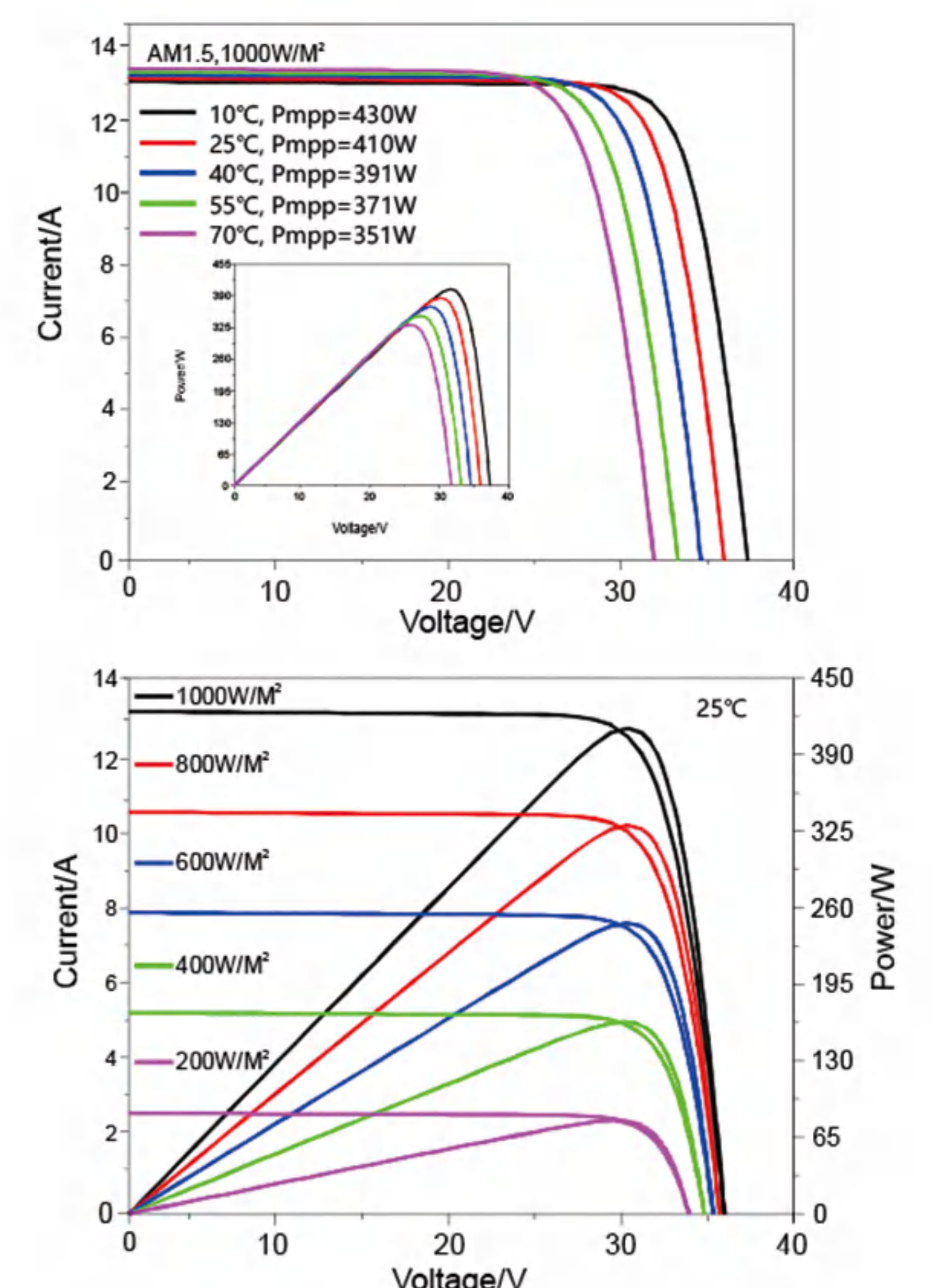
Temperature Range	-40 °C to + 85 °C
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s
Maximum Surface Load	5,400 Pa
Application class	class A

Dimensions

Note : mm



IV-Curves



Excellent performance under weak light condition.