



BIFACIAL SOLAR PANEL

RZE#BPV580W

HIGH VALUE

Low LCOE, reduced BOS cost, quick payback.
More harvest with N-type TOPCon.
Compatible, efficient container use cuts freight.

HIGH POWER EFFICIENCY

Up To 22.8% module efficiency, dense interconnect.
SMBB for trapping, lower resistance, better collection.

RELIABLE

Fewer micro-cracks, PIO resistant, endure harsh conditions.
Mechanical performance up to 5400 Pa positive, 2400 Pa negative.

HIGH ENERGY YIELD

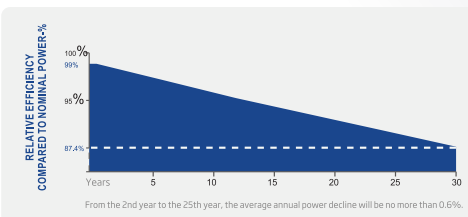
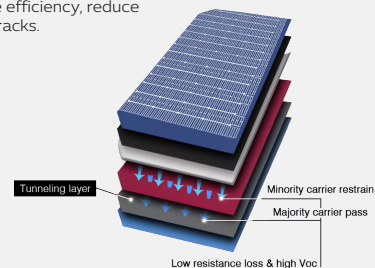
Lower degradation: 1% first year, 0.4% annually.
Lower temperature coefficient (-0.30%)
Up to 30% extra power gain from back side depending on albedo.

PRODUCT Warranty

10-year Warranty for Materials and Processing
30-year Warranty for Extra Linear Power Output

N-TopCon Technology

Enhance efficiency, reduce micro-cracks.



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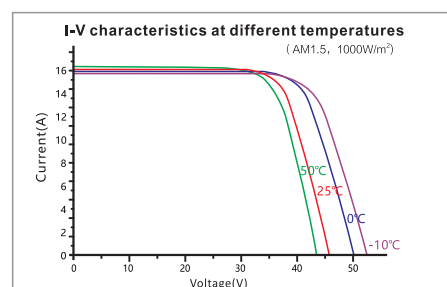
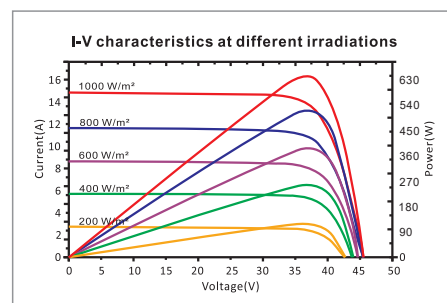
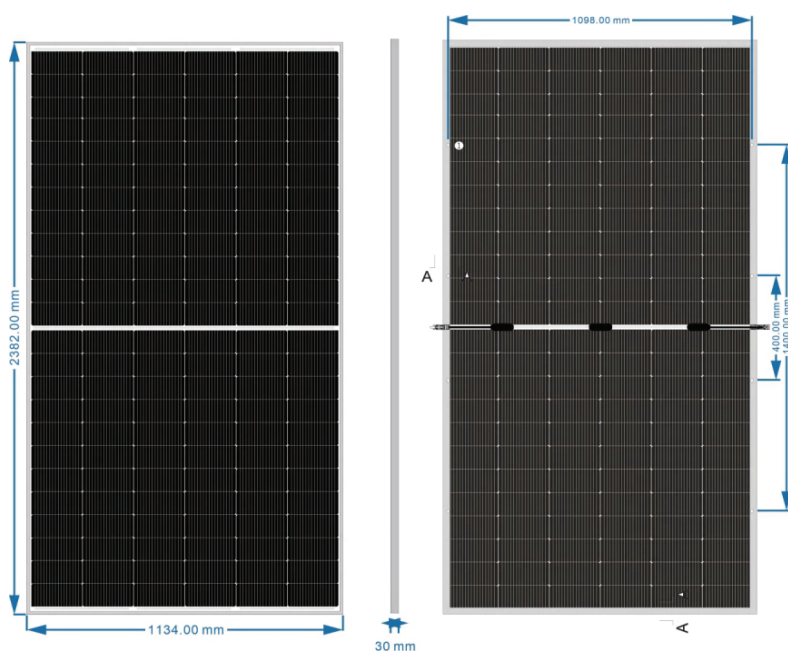
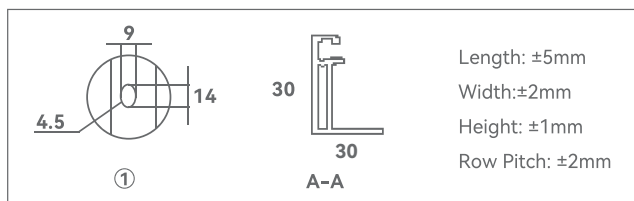
STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s
Test uncertainty for Pmax: ±3%

Electrical Characteristics		Operating Parameters	
Module Type	RZE#BPV580W	Operational Temperature	-40~+85°C
Testing Condition	STC NOCT	Power Output Tolerance	0~5W
Maximum Power(Pmax/W)	580W 435W	Voc and Isc Tolerance	± 3%
Voltage at Maximum Power(Vmp/V)	43.20 40.80	Maximum System Voltage	1000/1500VDC(IEC)
Current at Maximum Power(Imp/A)	13.43 10.66	Maximum Series Fuse Rating	25A
Open Circuit Voltage (Voc/V)	52.20 49.80	Nominal Operational Cell Temperature	45±2°C
Short Circuit Current(Isc/A)	14.23 11.30	Protection Class	Class II
Module Efficiency(%)	22.50%	Fire Rating	UL type 1 or 2 IEC Class C

Mechanical Parameters	
Cell Orientation	6*24(144)solar half cells
Junction Box	IP683 diodes
OutputCable	4.0mm ² solar cable(IEC) (+)≥ 350mm(-)≥350mm or customized
Front Glass	3.2mm,Anti-reflection Coating, HighTransmission Low Iron, Fully Strengthened Glass
Frame	30mm Anodized Aluminium Alloy
Weight	27kg(+/-0.5kg)
Dimension	2278*1134*30mm
Packaging	37pcs/pallet, 740pcs/ 40HQ Container

Mechanical Loading	
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings(STC)	
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.30%/°C
BifacialOutput-RearsidePowerGain	
5%	Maximum Power (Pmax) 278W 588W 599W 609W 620W Module Efficiency STC(%) 22.37% 22.79% 23.21% 23.63% 23.94%
10%	Maximum Power (Pmax) 605W 616W 627W 638W 649W Module Efficiency STC(%) 23.43% 23.87% 24.31% 24.75% 25.08%



Products specifications described herein are subject to change without prior notification.