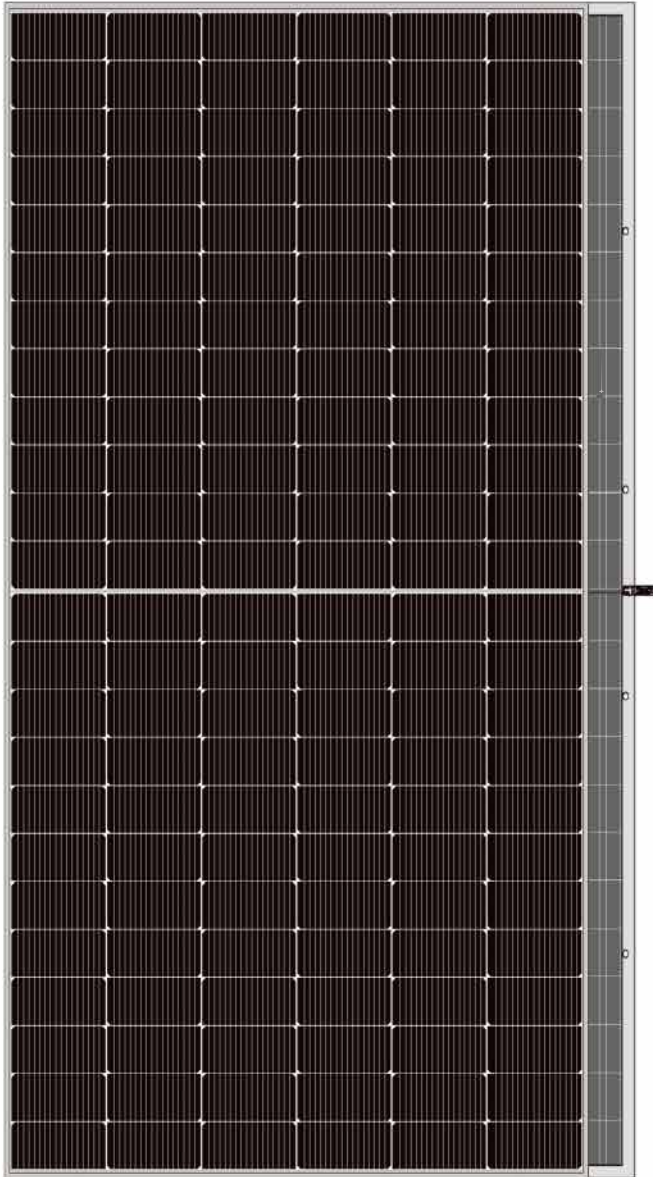
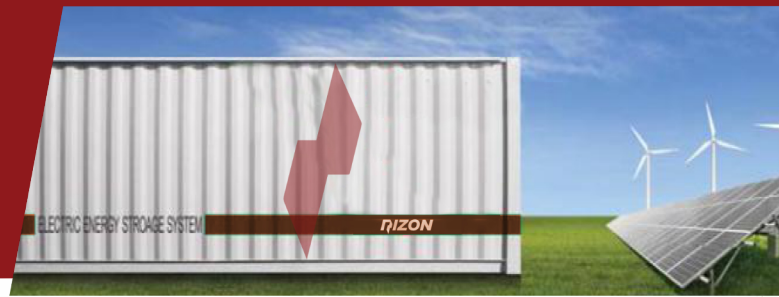


BIFACIAL N-TYPE SOLAR PANEL

Model : 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

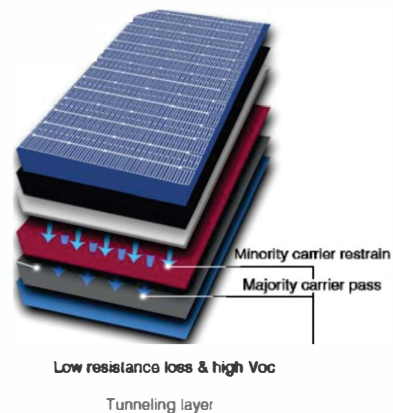
- Fewer micro-cracks, PIO resistant, endure harsh conditions.
- Mechanical performance up to 5400 Pa positive, 2400 Pa negative.

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.

N-TopCon Technology

Enhance efficiency,
reduce micro-cracks.

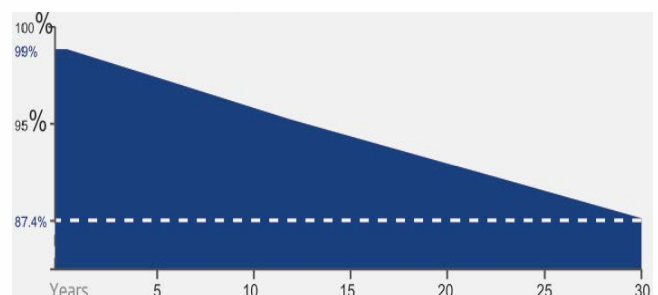


PRODUCT WARRANTY

10-year Warranty for Materials and Processing

30-year Warranty for Extra Linear Power Output

Relative Efficiency Compared to
Nominal Power



From the 2nd year to the 25th year, the average annual power decline will be no more than 0.6%

Module Type	RZE#BPV550W		RZE#BPV560W		RZE#BPV570W		RZE#BPV580W		RZE#BPV590W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	550W	414W	560W	421W	570W	428W	580W	435W	590W	442W
Voltage at Maximum Power(Vmp/V)	42.00	39.60	42.40	40.00	42.80	40.40	43.20	40.80	43.60	41.20
Current at Maximum Power(Impp/A)	13.10	10.45	13.21	10.53	13.32	10.59	13.43	10.66	13.54	10.73
Open Circuit Voltage (Voc/V)	51.00	48.60	51.40	49.00	51.80	49.40	52.20	49.80	52.60	45.20
Short Circuit Current (Isc/A)	13.88	11.08	14.00	11.16	14.12	11.23	14.23	11.30	14.35	11.37
Module Efficiency(%)	21.30%		21.70%		22.10%		22.50%		22.80%	

Mechanical Parameters

Cell Orientation	6*24(144)solar half cells
Junction Box	IP 68 3 diodes
Output Cable	4.0mm² solar cable(IEC) (+)≥350mm(-)≥350mm or customized
Front Glass	3.2 mm, Anti-reflection Coating, High Transmission, 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

Bifacial Output-Rearside Power Gain

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%

Operating Parameters

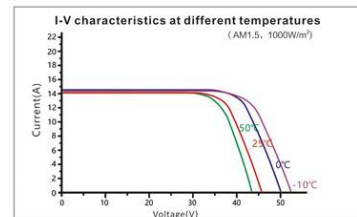
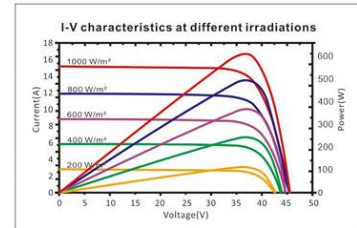
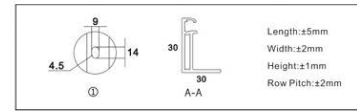
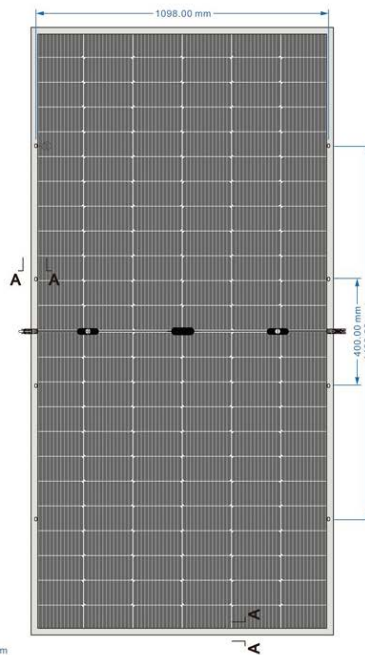
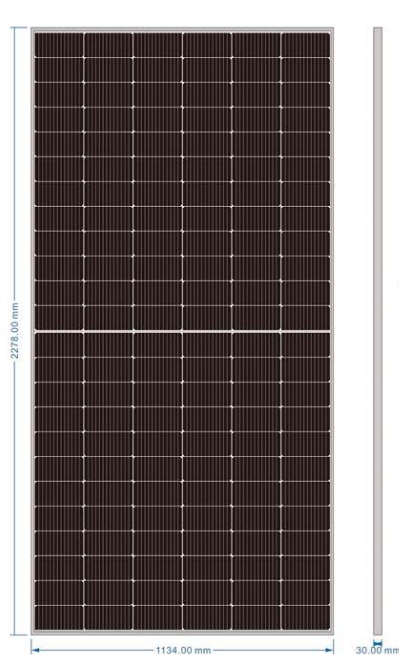
Operational Temperature	-40~+85°C
Power Output Tolerance	0~5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1000/1500VDC(IEC)
Maximum Series Fuse Rating	25A
Nominal Operational Cell Temperature	45±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

Temperature Ratings(STC)

Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.30%/°C

Product Warranty

Warranty for Materials and Processing	12 Years
Warranty for Extra Linear Power Output	30 Years



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