

DUAL GLASS SERIES BIFACIAL SOLAR PANEL

RZE#BPV630W

HIGH VALUE

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

HIGH POWER UP TO 650W

24.1% module efficiency, dense interconnect.
SMBB for trapping, lower resistance, better collection.

RELIABLE

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

HIGH ENERGY YIELD

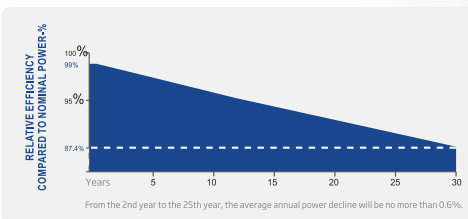
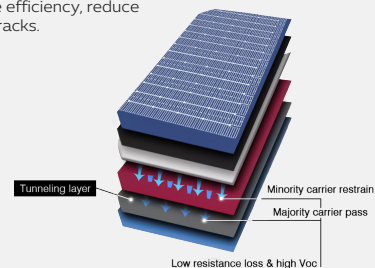
Excellent IAM, low irradiation validated by 3rd party certs.
Lower degradation: 1% first year, 0.4% annually.
Lower temperature coefficient (-0.30%).
Up to 30% extra power gain from back side depending on albedo.

PRODUCT Warranty

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

N-TopCon Technology

Enhance efficiency, reduce micro-cracks.



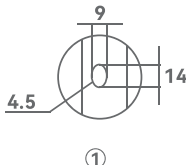
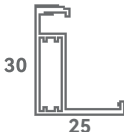
Rizon Technologies

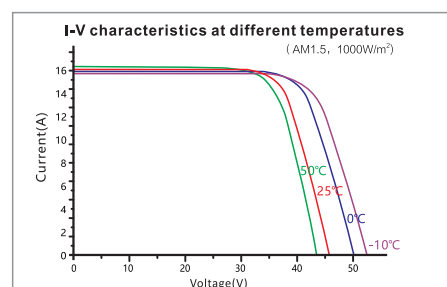
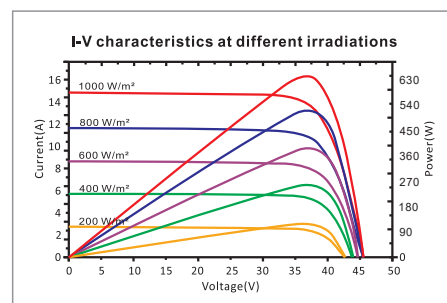
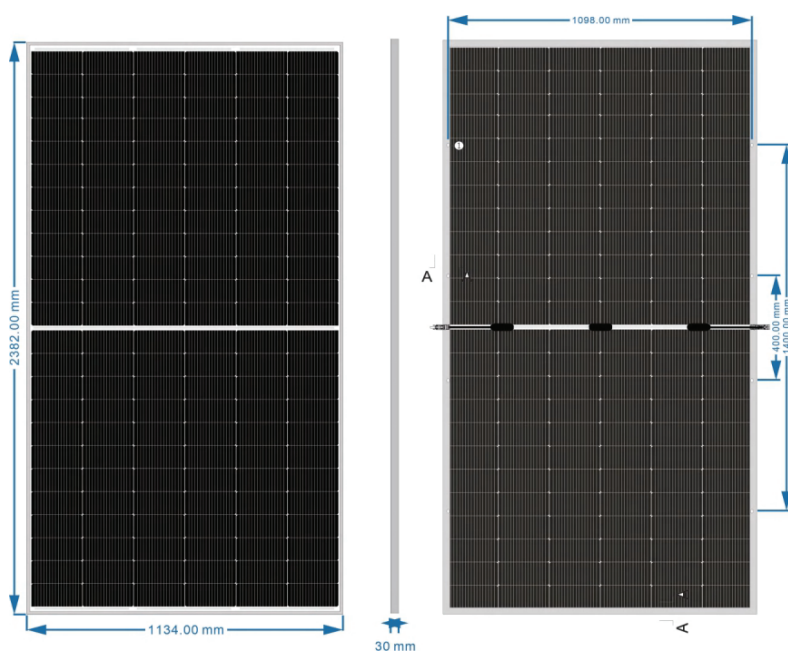
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STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s
Test uncertainty for Pmax: ±3%

Electrical Characteristics			Operating Parameters	
Module Type	RZE#BPV630W		Operational Temperature	-40~+85°C
Testing Condition	STC	NOCT	Power Output Tolerance	0~5W
Maximum Power(Pmax/W)	630W	476W	Voc and Isc Tolerance	± 3%
Voltage at Maximum Power(Vmp/V)	43.80	41.00	Maximum System Voltage	1500VDC(IEC)
Current at Maximum Power(Imp/A)	14.39	11.61	Maximum Series Fuse Rating	25A
Open Circuit Voltage (Voc/V)	52.40	49.60	Nominal Operational Cell Temperature	43±2°C
Short Circuit Current(Isc/A)	15.19	12.26	Protection Class	Class II
Module Efficiency(%)	23.30%		Fire Rating	UL type 1 or 2 IEC Class C
Mechanical Parameters			Temperature Ratings(STC)	
Cell type	N-Type TopCon Half-cut Cell		Temperature Coefficient of Isc	0.04%/°C
No. of Cells	144		Temperature Coefficient of Voc	-0.24%/°C
Front Cover	2.0 mm glass, high transmission, AR coated, tempered		Temperature Coefficient of Pmax	-0.30%/°C
Encapsulation	EVA		BifacialOutput-RearsidePowerGain	
Back Cover	2.0mm,HeatStrengthenedGlass		5%	Maximum Power (Pmax) 651W 656W 662W 667W 672W 677W 683W Module Efficiency STC(%) 24.2% 24.3% 24.5% 24.7% 24.9% 25.1% 25.3%
Junction Box	IP68 rated, 3 bypass diodes			10%
Frame	30 mm anodized aluminium alloy		  Length: ±5mm Width: ±2mm Height: ±1mm Row Pitch: ±2mm	
Cable	1 x 4 mm ² , 300 mm length or customized			
Connectors	MC 4/ MC 4 compatible			
Weight	32.5kg			
Dimension	2382*1134*30mm			
Packaging	740pcs/40HQ Container			
Mechanical Loading				
Weight	5400 Pa or 550 kg/m ²			
Dimension	2400 Pa or 244 kg/m ²			
Packaging	Max. Ø 25 mm at 23 m/s			



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