

WE-132G12RHC620W-650W

Small in size, bigger on power

- Up to 650W, 24.1% module efficiency with high density interconnect technology
- Reduce installation cost with higher power bin and efficiency
- Boost performance in warm weather with low temperature coefficient and operating temperature

High customer value

- Lower LCOE, reduced BOS cost, better ROI
- Lowest guaranteed first year and annual degradation
- Optimized compatibility with existing mainstream system components

High output power

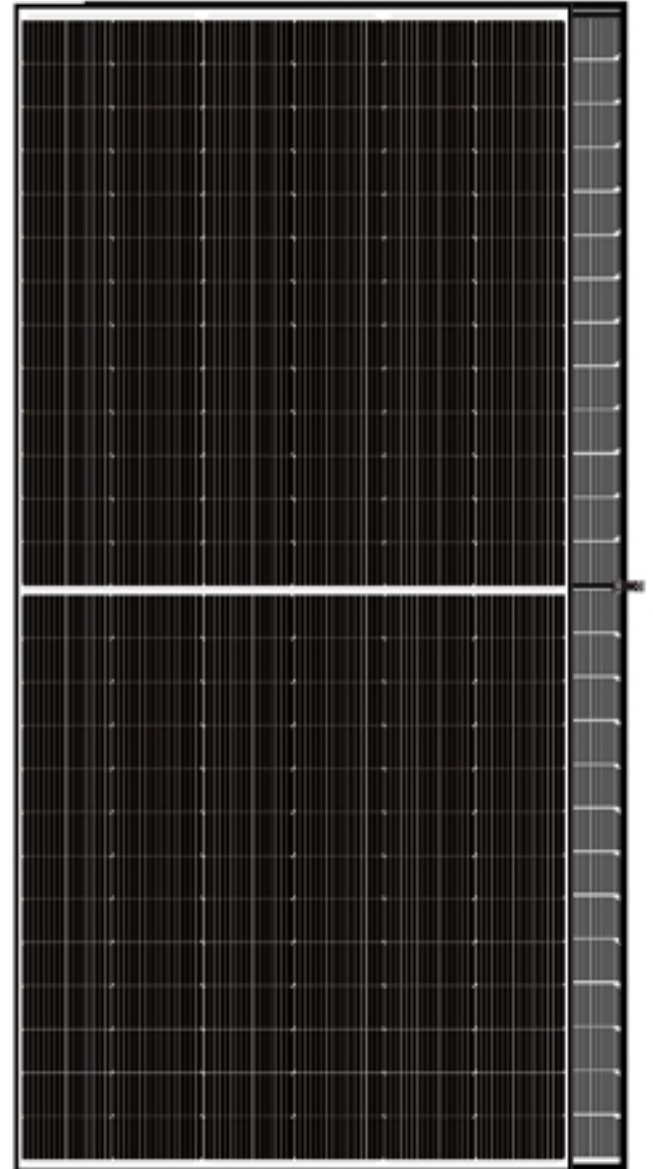
- Based on G12R-210mm solar cells with N-type TopCon technology
- High density interconnection provides improved power density
- MBB technology improves light-trapping effect and current-collection, while lowering series resistance

High reliability

- Minimized micro-cracks with innovative non-destructive cutting technology minimizes micro-cracking
- Ensured PID resistance through improved cell process and module material control
- Resistant to harsh environments
- Mechanical performance up to +5400/-2400 Pa

Longer warranty

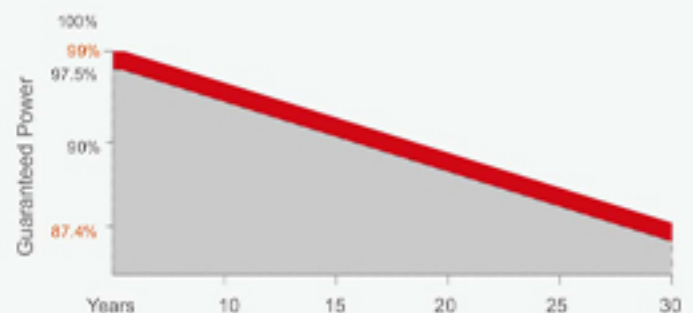
- First-year degradation 1% and annual degradation at 0.4%
- Up to 12 years product warranty and 30 years power warranty



PRODUCT Warranty

12 YEARS Product Warranty

30 YEARS Performance guarantee



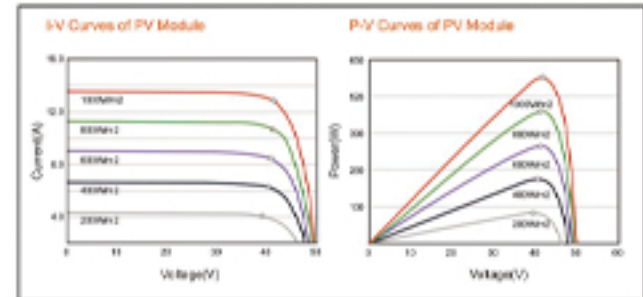
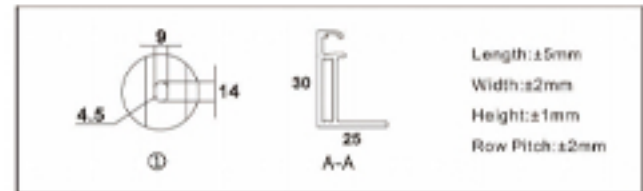
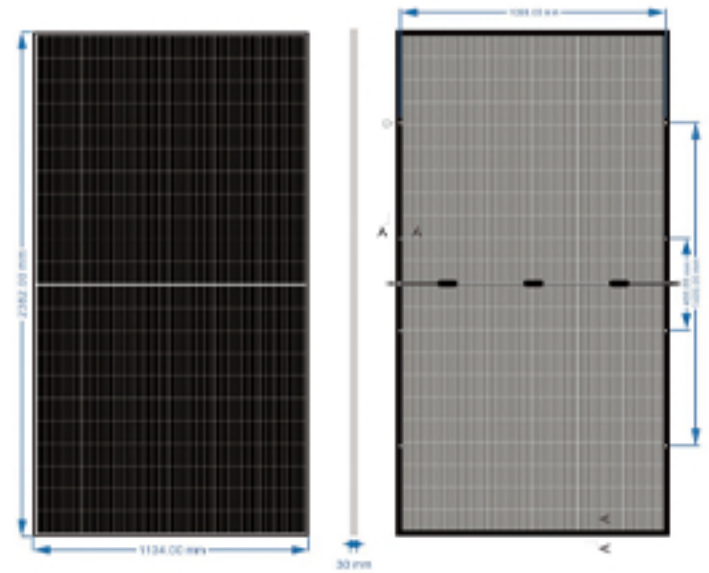
From the 2nd year to the 30th year, the average annual power decline will be no more than 0.4%.

MECHANICAL PARAMETERS

Cell Type	N-Type TopCon Half-cut Cell
No. of Cells	132
Front Cover	2.0 mm glass, high transmission, AR coated, tempered
Encapsulation	EVA
Back Cover	2.0mm,HeatStrengthenedGlass
Junction Box	IP68 rated, 3 bypass diodes
Frame	30mm Composite frame
Cable	1 x 4 mm ² , 350 mm length or customized
Connectors	MC 4/ MC 4 compatible
Weight	32.5Kg
Dimension	2382*1134*30mm
Packaging	740pcs/40HQ Container

OPERATING PARAMETERS

Operational Temperature	-40~+85°C
Power Output Tolerance	0~5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1500VDC(IEC)
Maximum Series Fuse Rating	25A
Nominal Operational Cell Temperature	43±2°C
Protection Class	Class II
Fire Rating	UL type 1 or 2 IEC Class C

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

Module Type	WE-132G12RHC620W		WE-132G12RHC625W		WE-132G12RHC630W		WE-132G12RHC635W		WE-132G12RHC64W		WE-132G12RHC645W		WE132G12RHC650	
Testing Condition	STC NOCT		STC NOCT		STC NOCT		STC NOCT		STC NOCT		STC NOCT		STC NOCT	
Maximum Power(Pmax/W)	620W	479W	625W	483W	630W	479W	635W	483W	640W	487W	645W	491W	650W	495W
Voltage at Maximum Power(Vmp/V)	41.10	39.00	41.30	39.20	41.50	39.00	41.70	39.20	41.90	39.40	42.10	39.60	42.30	39.80
Current at Maximum Power(Imp/A)	15.09	12.28	15.13	12.32	15.18	12.28	15.23	12.32	15.28	12.36	15.33	12.40	15.37	12.44
Open Circuit Voltage(Voc/V)	49.20	47.00	49.40	47.20	49.60	47.00	49.80	47.20	50.00	47.40	50.20	47.60	50.40	47.80
Short Circuit Current(sc/A)	15.94	12.97	15.98	13.00	16.03	12.97	16.08	13.00	16.14	13.05	16.19	13.09	16.23	13.12
Module Efficiency(%)	22.90%		23.00%		23.30%		23.50%		23.70%		23.90%		24.10%	

MECHANICAL LOADING

Snow Load	5400 Pa or 550 kg/m ²
Wind Load	2400 Pa or 244 kg/m ²
Hail Resistance	Max. Ø 25 mm at 23 m/s

TEMPERATURE RATINGS(STC)

Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Pmax	-0.30%/°C

BifacialOutput-RearsidePowerGain

5%	Maximum Power (Pmax)	651W	656W	662W	667W	672W	677W	683W
	Module Efficiency STC(%)	24.0%	24.2%	24.5%	24.7%	24.9%	25.1%	25.3%
10%	Maximum Power (Pmax)	662W	668W	673W	678W	683W	688W	693W
	Module Efficiency STC(%)	25.2%	25.3%	25.6%	25.9%	26.1%	26.3%	26.5%



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Version No. PWS202311V03