

# DE-132G12RHC600W-630W

### Small in size, bigger on power

- Up to 630W, 23.3% 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

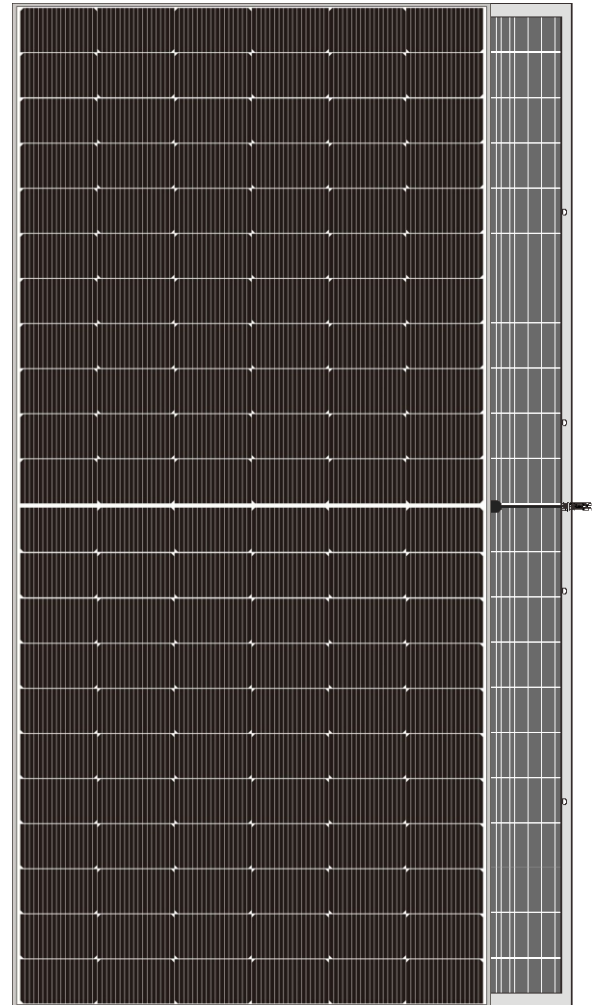
- Based on G12R-210mm solar cells with N-type TopCon technology
- High density interconnection provides improved power density
- MBB technology improves light-trapping effect and current-collection, while lowering series resistance

### 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

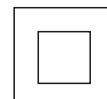
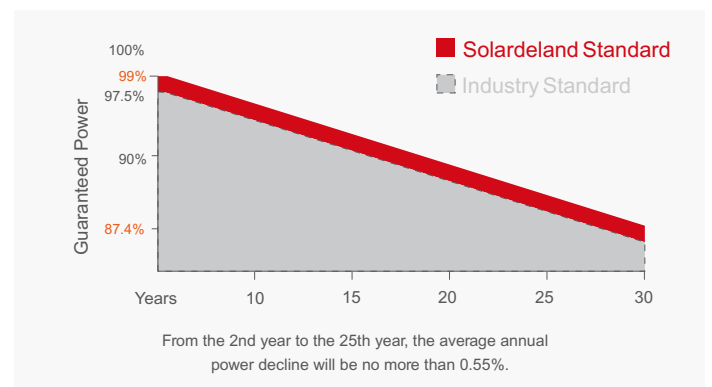
- First-year degradation 1% and annual degradation at 0.4%
- Up to 12 years product warranty and 30 years power warranty



## PRODUCT Warranty

**12 YEARS** Product Warranty

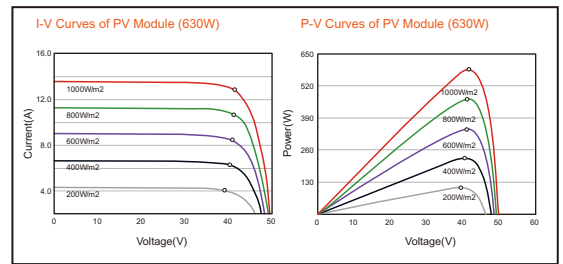
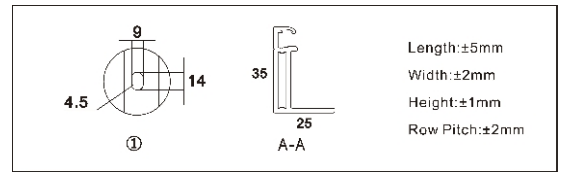
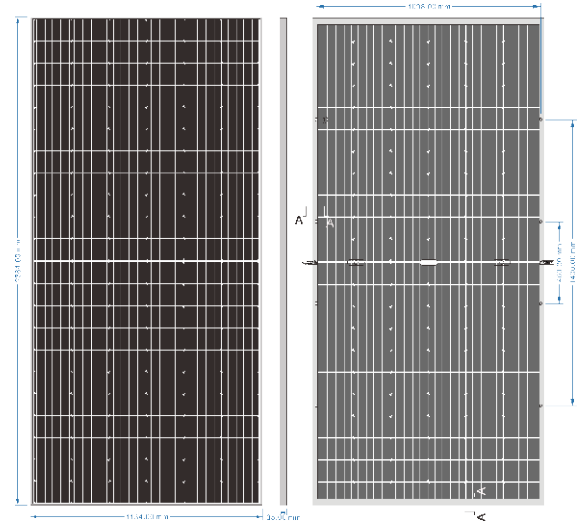
**30 YEARS** Performance guarantee



# G12R-BIFACIAL 600W-630W

## MECHANICAL PARAMETERS

Cell Orientation	6*22(132)solar half cells
Junction Box	IP 68 3 diodes
Output Cable	Output Cable
Front Glass	3.2 mm, Anti-reflection Coating, High Transmission, Low Iron, Fully Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
Weight	28Kg(+/-0.5kg)
Dimension	2384*1134*35mm
Packaging	31pcs/pallet,620pcs/40HQ Container



## 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

## PRODUCT WARRANTY

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

## 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	DE-132G12RHC600W		DE-132G12RHC605W		DE-132G12RHC610W		DE-132G12RHC615W		DE-132G12RHC620W		DE-132G12RHC625W		DE-132G12RHC630W	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	600W	445W	605W	459W	610W	463W	615W	467W	620W	471W	625W	475W	630W	479W
Voltage at Maximum Power(Vmp/V)	40.30	37.80	40.50	38.00	40.70	38.20	40.90	38.40	41.10	38.60	41.30	38.80	41.50	39.00
Current at Maximum Power(Imp/A)	14.89	12.04	14.94	12.08	14.99	12.12	15.04	12.16	15.09	12.20	15.14	12.24	15.19	12.28
Open Circuit Voltage(Voc/V)	48.40	45.80	48.60	46.00	48.80	46.20	49.00	46.40	49.20	46.60	49.40	46.80	49.60	47.00
Short Circuit Current(sc/A)	15.72	12.71	15.78	12.76	15.83	12.80	15.88	12.84	15.94	12.89	15.98	12.93	16.03	12.97
Module Efficiency(%)	22.10%		22.30%		22.50%		22.70%		22.90%		23.00%		23.30%	

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

## Bifacial Output-Rearside Power Gain

5%	Maximum Power (Pmax)	630W	636W	641W	646W	651W	656W	662W
	Module Efficiency STC (%)	23.21%	23.42%	23.63%	23.84%	24.05%	24.15%	24.47%
10%	Maximum Power (Pmax)	660W	666W	671W	677W	682W	688W	693W
	Module Efficiency STC (%)	24.31%	24.53%	24.75%	24.97%	25.19%	25.30%	25.63%

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