

## S8R-132GANT

**N-type  
Bifacial Dual Glass  
Mono Module**



**605 - 630W** / Power Output

**0~5W** / Pmax Tolerance

**23.32%** / Maximum Module Efficiency



### Outstanding Low Light Performance

Higher power output even under low-light environments like on cloudy or foggy days.



### Better Temperature Coefficient

Higher power generation under working conditions, thanks to passivating contact cell technology



### Lower LCOE

Higher bifaciality, higher power output and lower BOS cost



### Wider Applicability

More application scenes like BIPV, vertical installation, snowfield, high-humid, windy and dusty area



### 10%-30% Additional Power Generation

30 years lifespan brings 10%-30% additional power generation comparing with conventional P-type module



### Zero LID (Light Induced Degradation)

N-type solar cell has no LID naturally which can increase power generation



### PID Resistance

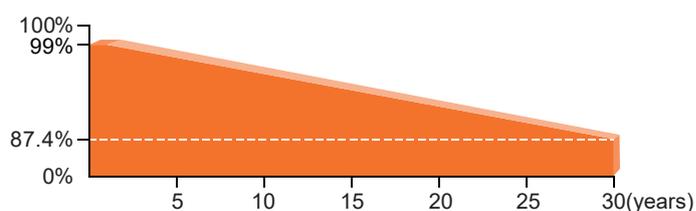
Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



### Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)

### Linear Performance Warranty



**15** years

Product quality & process guarantee

**30** years

Linear power guarantee

**0.40** %

Annual degradation

### Product Certification

ISO9001 : 2015: Quality Management System

ISO14001 : 2015: Environment Management System

ISO45001 : 2018: Occupational health and safety management systems

IEC61215, IEC61730, IEC62716



\* Different markets have different certification requirements.

Also, the products are under rapid innovation.

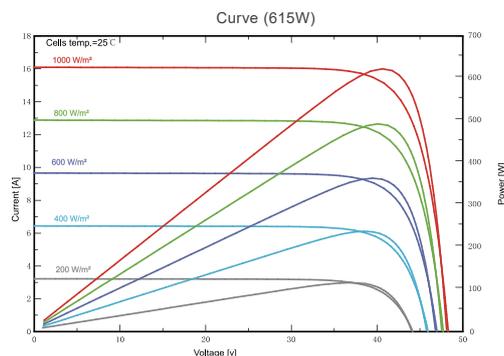
Please confirm the certification status with regional sales representatives.

# Aurora Pro

## RS605~630S8R-132GANT

### Module Specification

Cell Type	132 [ 2 x ( 11 x 6 ) ] / 182*105mm
Dimensions (mm)	2382*1134*30
Weight (kg)	34.5
Front Cover	2.0mm, Anti-Reflection Coating
Rear Cover	2.0mm, Heat Strengthened Glass
Junction Box	IP68 (3 diodes)
Cables	TUV 1x4.0mm <sup>2</sup> , (+):300mm(-):200mm or Customized length
Connector Type	MC4-EVO2 / MC4 compatible



### Electrical Specifications

Module Type	RS605S8R-132GANT		RS610S8R-132GANT		RS615S8R-132GANT		RS620S8R-132GANT		RS625S8R-132GANT		RS630S8R-132GANT	
	STC <sup>1</sup>	NOCT <sup>2</sup>	STC	NOCT								
Maximum Power (Pmax/W)	605	462	610	466	615	470	620	474	625	478	630	482
Maximum Power Current (Imp/A)	15.28	12.10	15.34	12.12	15.39	12.15	15.46	12.17	15.52	12.20	15.58	12.22
Maximum Power Voltage (Vmp/V)	39.60	38.19	39.77	38.44	39.97	38.71	40.12	38.96	40.28	39.20	40.44	39.44
Short-circuit Current (Isc/A)	16.00	12.72	16.05	12.74	16.10	12.77	16.15	12.79	16.20	12.82	16.25	12.84
Open-circuit Voltage (Voc/V)	47.90	46.00	48.10	46.30	48.30	46.60	48.50	46.90	48.70	47.20	48.90	47.50
Module Efficiency (%)	22.40		22.58		22.77		22.95		23.14		23.32	

<sup>1</sup> STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

<sup>2</sup> NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### Electrical Specifications(BNPI<sup>1</sup>)

Nameplate Power (W)	605	610	615	620	625	630
Maximum Power (Pmax/W)	659	665	670	676	681	687
Maximum Power Current (Imp/A)	16.66	16.72	16.78	16.85	16.91	16.98
Maximum Power Voltage (Vmp/V)	39.60	39.77	39.97	40.12	40.28	40.44
Short-circuit Current (Isc/A)	17.44	17.49	17.55	17.60	17.66	17.71
Open-circuit Voltage (Voc/V)	47.90	48.10	48.30	48.50	48.70	48.90

<sup>1</sup> BNPI: Front radiation 1000W/m<sup>2</sup>, Rear radiation 135W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

### Temperature Characteristics

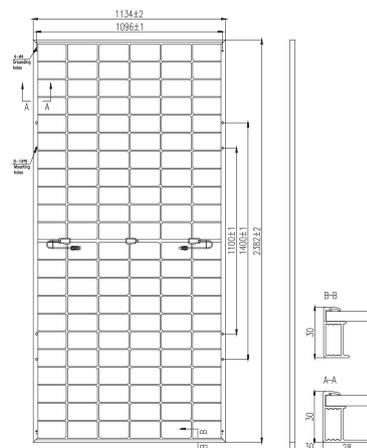
Nominal Operating Cell Temperature (NOCT/°C)	42±2
Temperature Coefficient of Pmax (%/°C)	-0.310
Temperature Coefficient of Voc (%/°C)	-0.26
Temperature Coefficient of Isc (%/°C)	+0.046

### Packaging

Container	40HQ (Inner diameter length 12300mm)
Pallet Dimensions (mm)	2420*1130*2540
Pieces per Pallet	36
Pieces per Container	720

### Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC (IEC)
Overcurrent Protection Rating (A)	30
Protection Class	Class II
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 2400



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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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No special undertaking or warranty for the suitability of special purpose or being installed in extraordinary surroundings is granted unless as otherwise specifically committed by manufacturer in contract document.

Version No.: Global\_EN\_2024\_11