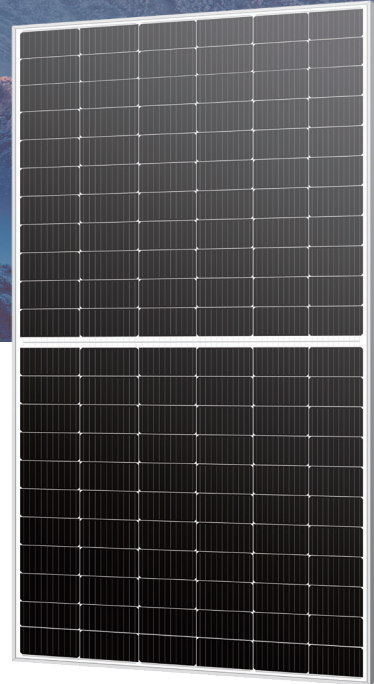


S8-132GANT

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



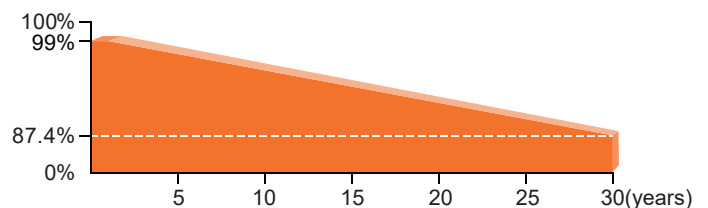
540 - 565W / Power Output

0~5W / Pmax Tolerance

23.26% / 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



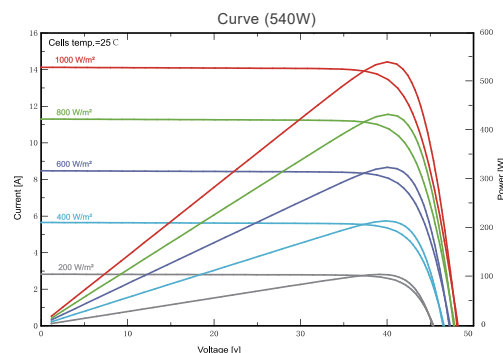
* Different markets have different certification requirements.
Also, the products are under rapid innovation.
Please confirm the certification status with regional sales representatives.

Aurora Pro

RS540~565S8-132GANT

Module Specification

Cell Type	132 [2 x (11 x 6)] / 182*94mm
Dimensions (mm)	2142*1134*30
Weight (kg)	29.5
Front Cover	2.0mm, Anti-Reflection Coating
Rear Cover	2.0mm, Heat Strengthened Glass
Junction Box	IP68 (3 diodes)
Cables	TUV 1x4.0mm ² , (+):300mm(-):300mm or Customized length
Connector Type	MC4-EVO2 / MC4 compatible



Electrical Specifications

Module Type	RS540S8-132GANT		RS545S8-132GANT		RS550S8-132GANT		RS555S8-132GANT		RS560S8-132GANT		RS565S8-132GANT	
	STC ¹	NOCT ²	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	540	412	545	416	550	420	555	424	560	427	565	431
Maximum Power Current (Imp/A)	13.52	11.04	13.59	11.10	13.66	11.16	13.73	11.22	13.80	11.28	13.87	11.34
Maximum Power Voltage (Vmp/V)	39.95	37.34	40.11	37.48	40.27	37.62	40.43	37.75	40.58	37.89	40.74	38.02
Short-circuit Current (Isc/A)	14.13	11.66	14.20	11.71	14.27	11.75	14.34	11.80	14.41	11.85	14.48	11.90
Open-circuit Voltage (Voc/V)	48.21	45.43	48.41	45.62	48.61	45.81	48.81	46.00	49.01	46.19	49.21	46.38
Module Efficiency (%)	22.23		22.44		22.64		22.85		23.05		23.26	

¹ STC: Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

² NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Electrical Specifications(BNPI¹)

Nameplate Power (W)	540	545	550	555	560	565
Maximum Power (Pmax/W)	589	594	600	605	610	616
Maximum Power Current (Imp/A)	14.74	14.81	14.89	14.97	15.04	15.12
Maximum Power Voltage (Vmp/V)	39.95	40.11	40.27	40.43	40.58	40.74
Short-circuit Current (Isc/A)	15.40	15.48	15.55	15.63	15.71	15.78
Open-circuit Voltage (Voc/V)	48.21	48.41	48.61	48.81	49.01	49.21

¹ BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

Temperature Characteristics

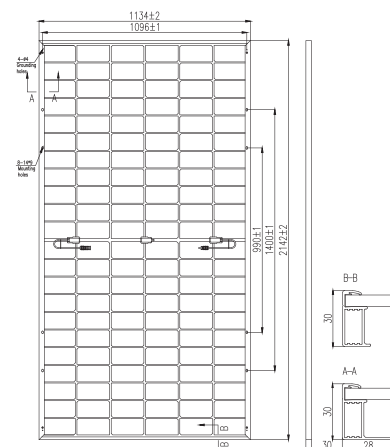
Nominal Operating Cell Temperature (NOCT/°C)	42±2
Temperature Coefficient of Pmax (%/°C)	-0.310
Temperature Coefficient of Voc (%/°C)	-0.26
Temperature Coefficient of Isc (%/°C)	+0.046

Packaging

Container	20GP	40HQ
Pallet Dimensions (mm)	2185*1130*2200	2185*1130*2540
Pieces per Pallet	63	72
Pieces per Container	315	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



Yancheng Runda PV CO.,Ltd

Add: No.199 Yanqiao Road, Tanghe Street, Jianhu County, Yancheng City Jiangsu Province, China
Tel: +86-0510-83801000 E-mail: sales@rundapv.com Website: www.rundapv.com

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.

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