Aurora Pro

RUNDA SOLAR

S8B-108GANT

N-type
Bifacial Dual Glass
Full Black Module

435-460W / Power Output

0~5W / Pmax Tolerance

23.02% / 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

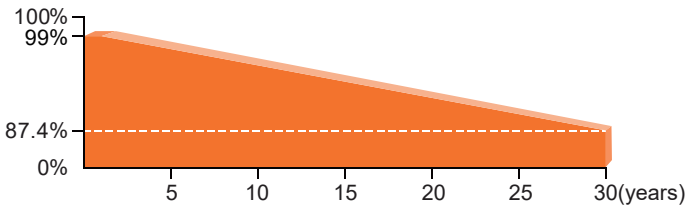
10%-30% Additional Power Generation
30 years lifespan brings 10%-30% additional power generation comparing with conventional P-type module

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.

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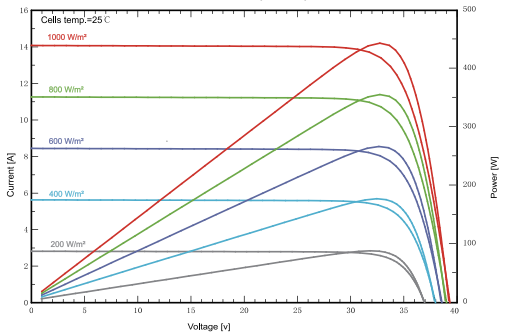
RS435~460S8B-108GANT

Module Specification

Cell Type	108 [2 x (9 x 6)] / 182*94mm
Dimensions (mm)	1762*1134*30
Weight (kg)	24
Front Cover	2.0mm, Anti-Reflection Coating
Rear Cover	2.0mm, Heat Strengthened Glass
Junction Box	IP68 (3 diodes)
Cables	TUV 1x4.0mm², (+):300mm/(-): 300mm or Customized length
Connector Type	MC4-EVO2 / MC4 compatible

Curve (440W)



Electrical Specifications

Module Type	RS435S8B-108GANT		RS440S8B-108GANT		RS445S8B-108GANT		RS450S8B-108GANT		RS455S8B-108GANT		RS460S8B-108GANT	
Testing Condition	STC[1]	NOCT[2]	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	435	333	440	337	445	341	450	345	455	349	460	353
Maximum Power Current (Imp/A)	13.40	10.98	13.47	11.05	13.54	11.12	13.61	11.20	13.68	11.27	13.75	11.34
Maximum Power Voltage (Vmp/V)	32.47	30.37	32.67	30.52	32.87	30.67	33.07	30.83	33.27	30.98	33.46	31.12
Short-circuit Current (Isc/A)	14.01	11.55	14.08	11.62	14.15	11.68	14.22	11.74	14.29	11.80	14.36	11.87
Open-circuit Voltage (Voc/V)	39.13	36.92	39.33	37.11	39.53	37.30	39.73	37.49	39.93	37.68	40.13	37.87
Module Efficiency (%)	21.77		22.02		22.27		22.52		22.77		23.02	

[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(BNPI[1])

Nameplate Power (W)	435	440	445	450	455	460
Maximum Power (Pmax/W)	474	480	485	491	496	501
Maximum Power Current (Imp/A)	14.60	14.68	14.76	14.83	14.91	14.99
Maximum Power Voltage (Vmp/V)	32.47	32.67	32.87	33.07	33.27	33.46
Short-circuit Current (Isc/A)	15.27	15.35	15.42	15.50	15.58	15.65
Open-circuit Voltage (Voc/V)	39.13	39.33	39.53	39.73	39.93	40.13

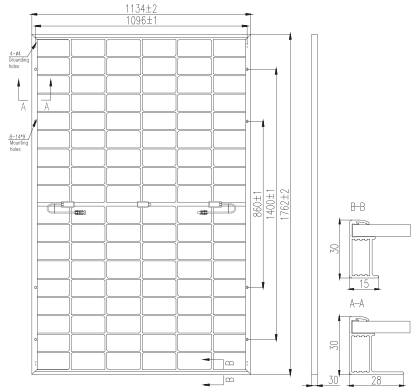
[1] BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

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

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)	1795*1130*2220	1795*1130*2532
Pieces per Pallet	63	72
Pieces per Container	378	936

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

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