Aurora Pro

RUNDA SOLAR

S8-144GANT

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

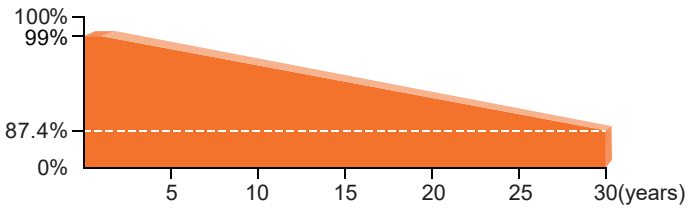
10%-30% Additional Power Generation
30 years lifespan brings 10%-30% additional power generation comparing with conventional P-type module

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.

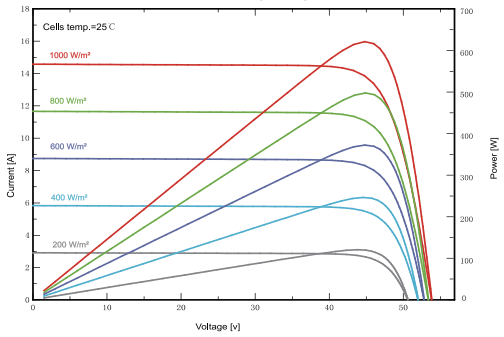
Aurora Pro

RS605~630S8-144GANT

Module Specification

Cell Type	144 [2 x (12 x 6)] / 182*95.8mm
Dimensions (mm)	2382*1134*30
Weight (kg)	33.5
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 (620W)



Electrical Specifications

Module Type	RS605S8-144GANT		RS610S8-144GANT		RS615S8-144GANT		RS620S8-144GANT		RS625S8-144GANT		RS630S8-144GANT	
Testing Condition	STC[1]	NOCT[2]	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	605	463	610	467	615	471	620	475	625	479	630	483
Maximum Power Current (Imp/A)	13.77	11.24	13.84	11.30	13.91	11.35	13.98	11.41	14.05	11.47	14.12	11.53
Maximum Power Voltage (Vmp/V)	43.94	41.19	44.08	41.34	44.22	41.48	44.35	41.63	44.49	41.77	44.62	41.91
Short-circuit Current (Isc/A)	14.37	11.82	14.44	11.87	14.51	11.92	14.58	11.96	14.65	12.01	14.72	12.06
Open-circuit Voltage (Voc/V)	53.21	50.16	53.41	50.35	53.61	50.54	53.81	50.73	54.01	50.92	54.21	51.11
Module Efficiency (%)	22.40		22.58		22.77		22.95		23.14		23.32	

[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

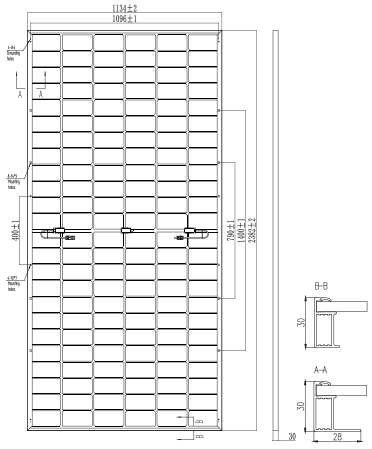
Electrical Specifications(BNPI[1])

Nameplate Power (W)	605	610	615	620	625	630
Maximum Power (Pmax/W)	659	665	670	676	681	687
Maximum Power Current (Imp/A)	15.01	15.09	15.16	15.24	15.31	15.39
Maximum Power Voltage (Vmp/V)	43.94	44.08	44.22	44.35	44.49	44.62
Short-circuit Current (Isc/A)	15.66	15.74	15.82	15.89	15.97	16.04
Open-circuit Voltage (Voc/V)	53.21	53.41	53.61	53.81	54.01	54.21

[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)	2400*1142*2190	2400*1120*1258
Pieces per Pallet	63	36
Pieces per Container	252	720

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.

Version No.: Global_EN_2025_08