Aurora Pro

Jiangsu Runda PV Co.,Ltd.

N-Type

S8B-108NT 415~435W

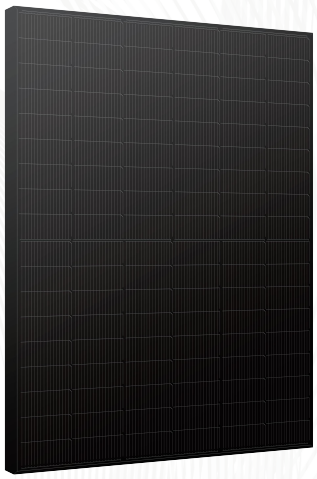
Half-cell Mono Black Module

435W
Maximum Power Output

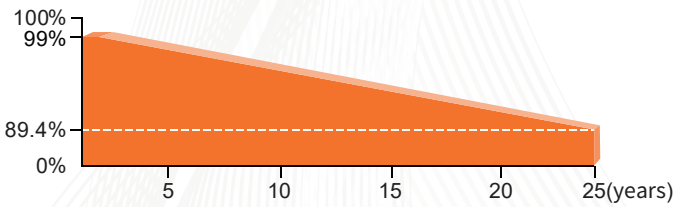
22.28%
Maximum Module Efficiency

0~+5W
Power Output Tolerance

IEC61215, IEC61730
ISO9001:2015: Quality Management System
ISO14001:2015: Environment Management System
ISO45001:2018: Occupational health and safety management systems



Linear Performance Warranty



12 Years Product Warranty on Materials and Workmanship

25 Years Linear Performance Warranty

0.40% Subsequent Annual Degradation

High Power Output

- Better light trapping and current collection to improve module power output and reliability

Outstanding Low Light Performance

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

Zero LID (Light Induced Degradation)

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

Better Temperature Coefficient

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

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)

Withstanding Harsh Environment

- Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.

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Aurora Pro

RS415~435S8B-108NT

Jiangsu Runda PV Co.,Ltd.

Electrical Properties(STC*)

Power Output(Wp)	415	420	425	430	435
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	21.25	21.51	21.76	22.02	22.28
Voltage Mpp-Vmpp(V)	31.44	31.63	31.81	31.99	32.17
Current Mpp-Impp(A)	13.20	13.28	13.36	13.44	13.52
Voltage Open Circuit-Voc(V)	37.83	38.02	38.21	38.40	38.59
Short Circuit Current-Isc(A)	13.97	14.05	14.13	14.21	14.29

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

Electrical Properties(NOCT*)

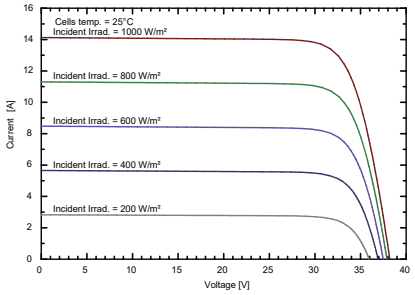
Power Output(Wp)	314	318	322	326	329
Voltage Mpp-Vmpp(V)	29.57	29.75	29.93	30.07	30.16
Current Mpp-Impp(A)	10.62	10.69	10.76	10.84	10.91
Voltage Open Circuit-Voc(V)	35.97	36.16	36.35	36.54	36.73
Short Circuit Current-Isc(A)	11.24	11.31	11.37	11.43	11.49

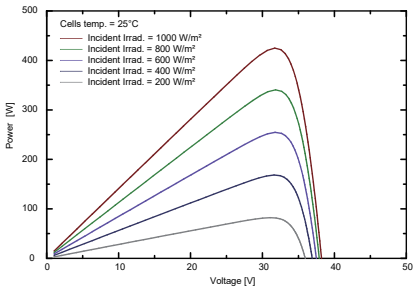
*NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

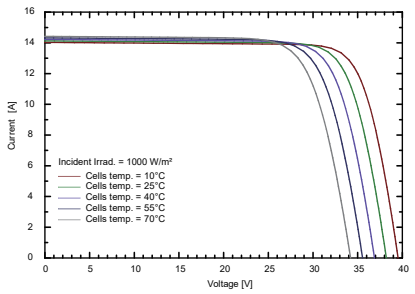
Packaging Configuration

Packing Type	40'HQ
Piece/Pallet	36
Piece/Container	936

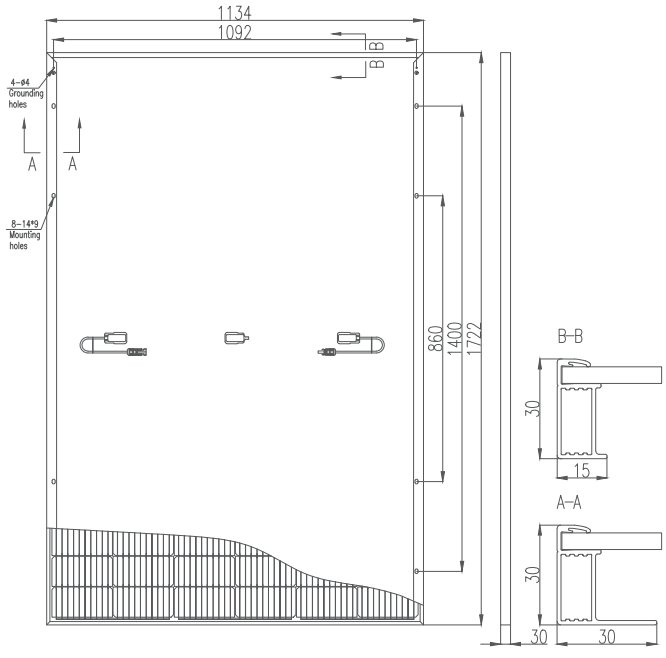
Characteristic Curves(425W)







Engineering Drawing (mm)



Mechanical Properties

Cell Size	182mm*91mm
Number of Cells	108 [2 x (9 x 6)]
Module Dimension	1722*1134*30mm
Weight	21.5kg
Front Glass	High transmission glass 3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Cable Length	TUV 1x4.0mm², (+):300mm/ (-):200mm or Customized length

Operating Properties

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0~+5W

Temperature Coefficient

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

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