

# Aurora Pro

## N-Type

S8-108NT 435~445W

Half-cell Mono Module



### 445W

Maximum Power Output

### 22.27%

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



#### 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

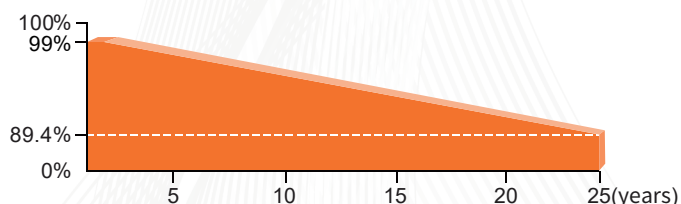
- Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



#### Withstanding Harsh Environment

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

#### Linear Performance Warranty



12 Years Product Warranty on Materials and Workmanship

25 Years Linear Performance Warranty

0.40% Subsequent Annual Degradation

Tel: +86-0510-83801000

Fax: +86-0510-83802000

Web: [www.rundapv.com](http://www.rundapv.com)

E-mail: [sales@rundapv.com](mailto:sales@rundapv.com)

Add: Yanxiang Road 108, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, P.R.China



# Aurora Pro

RS435~445S8-108NT

## Electrical Properties(STC\*)

Power Output(Wp)	435	440	445
Max Power Tolerance(W)	0-5	0-5	0-5
Module Efficiency(%)	21.77	22.02	22.27
Voltage Mpp-Vmpp(V)	32.46	32.67	32.87
Current Mpp-Impp(A)	13.40	13.47	13.54
Voltage Open Circuit-Voc(V)	39.13	39.33	39.53
Short Circuit Current-Isc(A)	14.01	14.08	14.15

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

## Electrical Properties(NOCT\*)

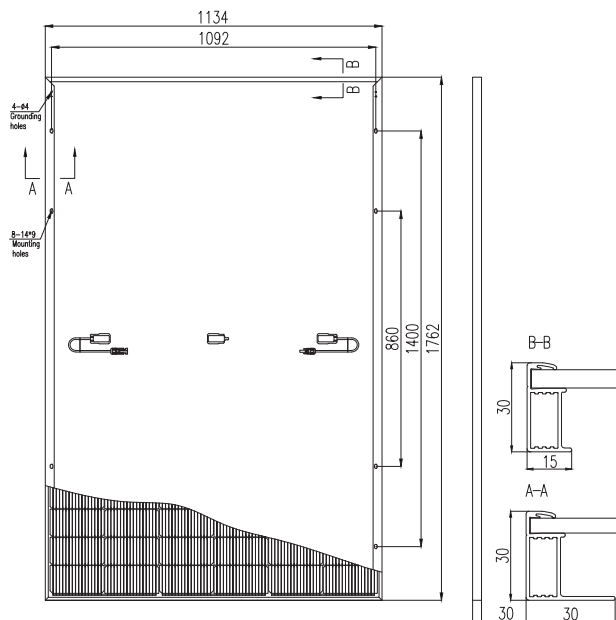
Power Output(Wp)	327	331	335
Voltage Mpp-Vmpp(V)	30.19	30.42	30.62
Current Mpp-Impp(A)	10.83	10.88	10.94
Voltage Open Circuit-Voc(V)	37.17	37.36	37.55
Short Circuit Current-Isc(A)	11.31	11.36	11.42

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

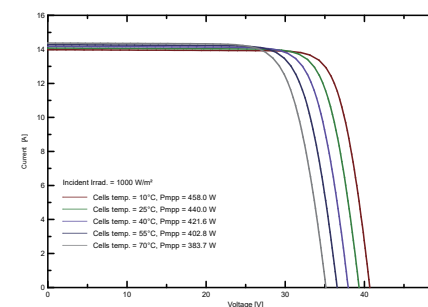
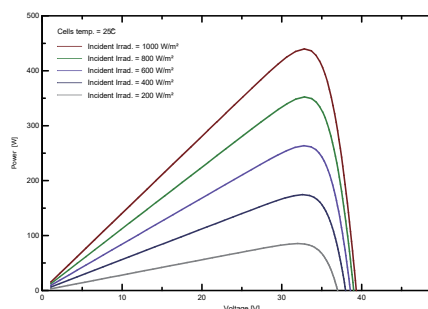
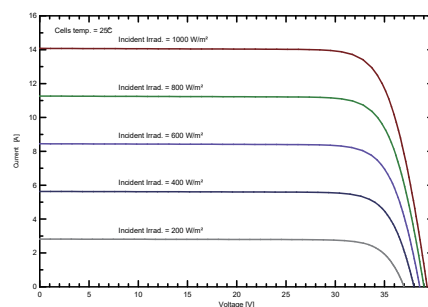
## Packaging Configuration

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

## Engineering Drawing (mm)



## Characteristic Curves(440W)



## Mechanical Properties

Number of Cells	108 [ 2 x ( 9 x 6 ) ]
Module Dimension	1762*1134*30mm
Weight	21.5kg
Front Glass	High transmission glass 3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Cable Length	TUV 1x4.0mm <sup>2</sup> , (+):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