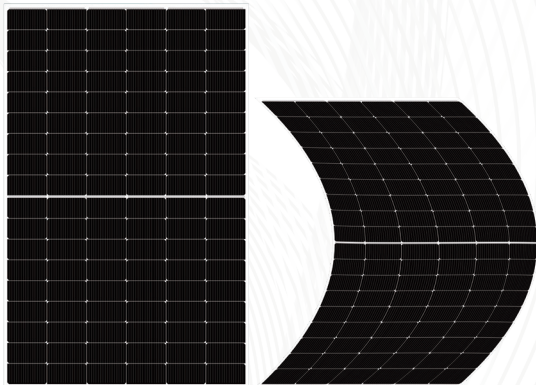


Aurora Pro

N-Type Flexible

S8-108FNT 405~425W

HALF-CELL MONO MODULE



425W

Maximum Power Output

21.54%

Maximum Module Efficiency

0~+5W

Power Output Tolerance

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



Better Weak Illumination Response

- 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



Ultra Flexible

- Special processes and materials are used to give the components a certain degree of flexibility, allowing them to be bent to fit different curved surfaces.



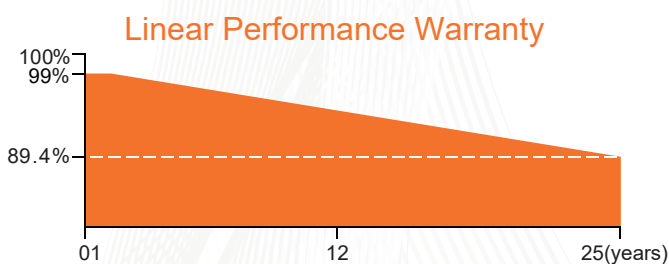
Convenient Installation

- Easy installation and convenient transportation with lower cost



Lightweighting

- With a weight of 5.5kg and a thickness of 3.0mm, the glassless module is 70% lighter than traditional glass modules.



12 Years Product Warranty on Materials and Workmanship

25 Years Linear Performance Warranty

1.00% 1st year Degradation

0.40% Subsequent Annual Degradation

Aurora Pro

RS405~425S8-108NT

Electrical Properties(STC*)

Power Output(Wp)	405	410	415	420	425
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	20.53	20.78	21.03	21.29	21.54
Voltage Mpp-Vmpp(V)	31.01	31.20	31.25	31.44	31.62
Current Mpp-Impp(A)	13.06	13.14	13.28	13.36	13.44
Voltage Open Circuit-Voc(V)	37.45	37.67	37.72	37.95	38.17
Short Circuit Current-Isc(A)	13.83	13.91	14.06	14.11	14.15

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

Electrical Properties(NOCT*)

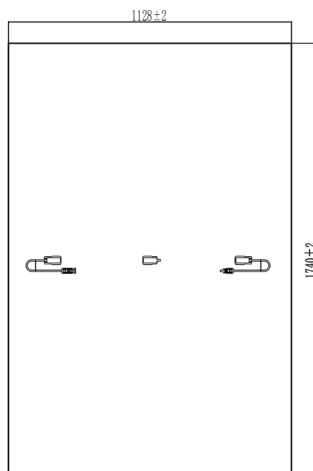
Power Output(Wp)	306	310	314	318	321
Voltage Mpp-Vmpp(V)	29.27	29.45	29.49	29.67	29.85
Current Mpp-Impp(A)	10.46	10.53	10.64	10.70	10.77
Voltage Open Circuit-Voc(V)	35.69	35.89	35.95	36.16	36.38
Short Circuit Current-Isc(A)	11.15	11.21	11.33	11.37	11.41

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

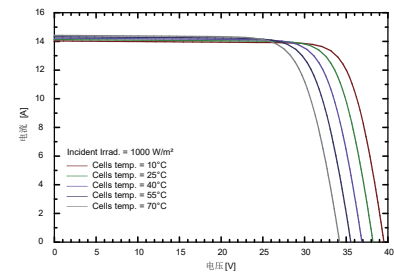
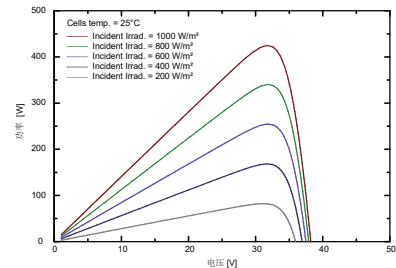
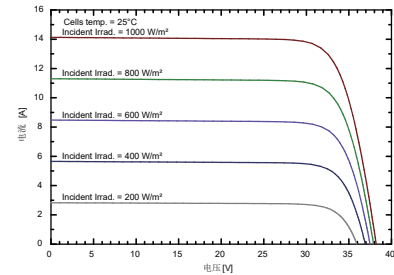
Mechanical Properties

Cell Size	182mm*91mm
Number of Cells	108 (2*54)
Module Dimension	1740 x 1128 x 3mm
Weight	5.5kg
Junction Box	IP68 (3 diodes)
Cable Length	TUV 1x4.0mm ² , (+):300mm/ (-):200mm or Customized length
Installation Method	Silicone paste

Engineering Drawing (mm)



Curves(425W)



Packaging Configuration

Packing Type	40'HQ
Piece/Pallet	68
Piece/Container	1632

Operating Properties

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

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