

Aurora Pro

N-Type

S8-120NT 460~480W

Half-cell Mono Module



480W

Maximum Power Output

22.17%

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

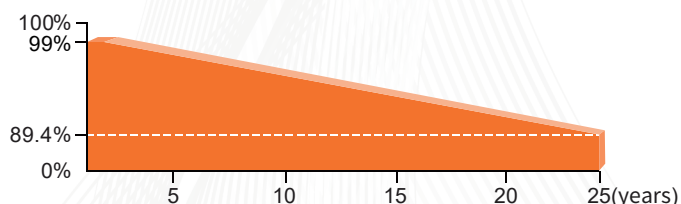
- Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



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

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Aurora Pro

RS460~480S8-120NT

Electrical Properties(STC*)

Power Output(Wp)	460	465	470	475	480
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	21.25	21.48	21.71	21.94	22.17
Voltage Mpp-Vmpp(V)	34.72	34.94	35.15	35.37	35.58
Current Mpp-Imp(A)	13.25	13.31	13.37	13.43	13.49
Voltage Open Circuit-Voc(V)	41.94	42.13	42.32	42.51	42.70
Short Circuit Current-Isc(A)	14.02	14.08	14.14	14.20	14.26

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

Electrical Properties(NOCT*)

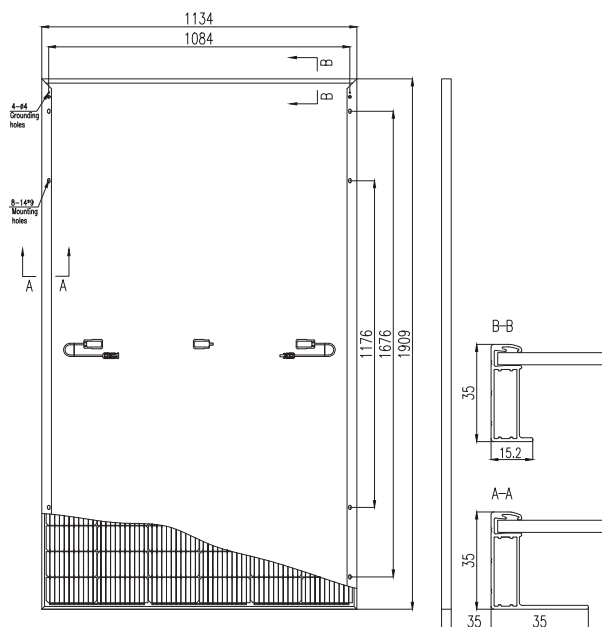
Power Output(Wp)	348	352	355	359	363
Voltage Mpp-Vmpp(V)	32.80	32.99	33.08	33.27	33.46
Current Mpp-Imp(A)	10.61	10.67	10.73	10.79	10.85
Voltage Open Circuit-Voc(V)	39.91	40.10	40.29	40.48	40.67
Short Circuit Current-Isc(A)	11.31	11.36	11.41	11.46	11.51

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

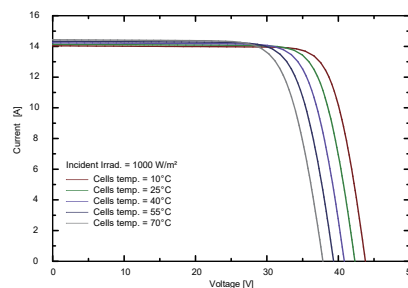
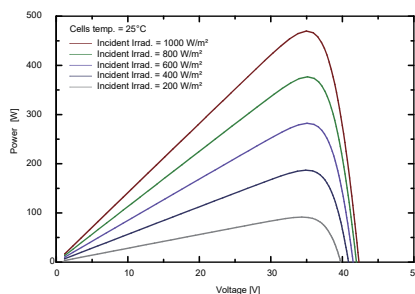
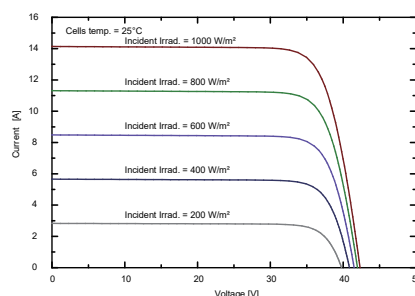
Packaging Configuration

Packing Type	40'HQ
Piece/Pallet	31
Piece/Container	744

Engineering Drawing (mm)



Characteristic Curves(470W)



Mechanical Properties

Cell Size	182mm*91mm
Number of Cells	120 [2 x (10x 6)]
Module Dimension	1909*1134*35mm
Weight	23.5kg
Front Glass	High transmission glass 3.2mm
Frame	Anodized Aluminium Alloy
Junction Box	IP68 (3 diodes)
Cable Length	TUV 1x4.0mm ² , (+):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