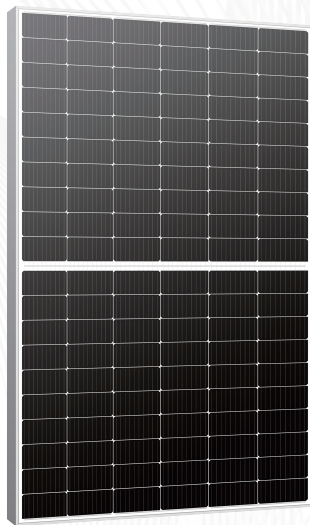


Aurora Pro

N-Type

S8-120NT 485~495W

Half-cell Mono Module



495W

Maximum Power Output

22.36%

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

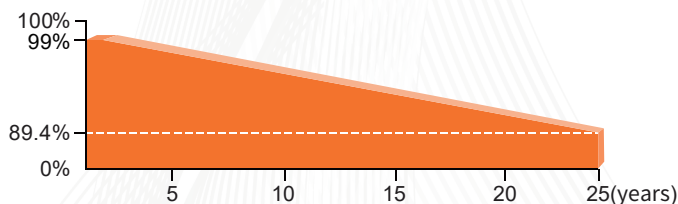
- Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



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

Aurora Pro

RS485~490S8-120NT

Electrical Properties(STC*)

| | | | |
|------------------------------|-------|-------|-------|
| Power Output(Wp) | 485 | 490 | 495 |
| Max Power Tolerance(W) | 0-5 | 0-5 | 0-5 |
| Module Efficiency(%) | 21.91 | 22.14 | 22.36 |
| Voltage Mpp-Vmpp(V) | 36.11 | 36.30 | 36.48 |
| Current Mpp-Imp(A) | 13.43 | 13.50 | 13.57 |
| Voltage Open Circuit-Voc(V) | 43.53 | 43.73 | 43.93 |
| Short Circuit Current-Isc(A) | 14.05 | 14.12 | 14.19 |

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

Electrical Properties(NOCT*)

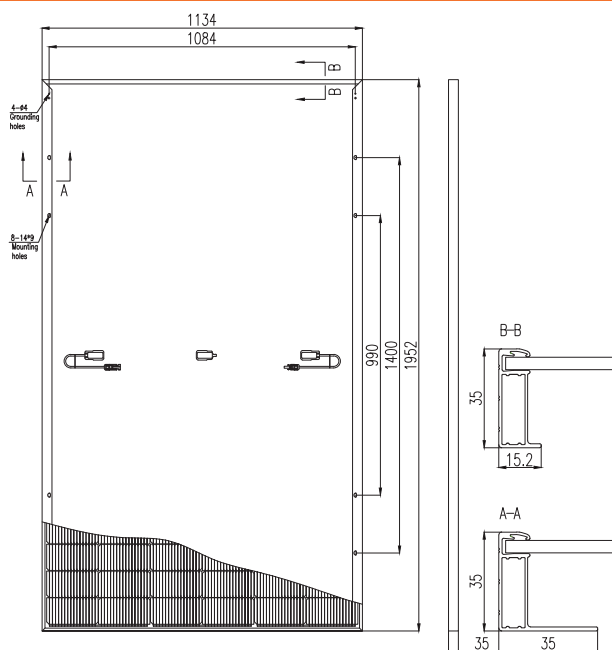
| | | | |
|------------------------------|-------|-------|-------|
| Power Output(Wp) | 365 | 368 | 372 |
| Voltage Mpp-Vmpp(V) | 33.64 | 33.73 | 33.94 |
| Current Mpp-Imp(A) | 10.85 | 10.91 | 10.96 |
| Voltage Open Circuit-Voc(V) | 41.35 | 41.54 | 41.73 |
| Short Circuit Current-Isc(A) | 11.28 | 11.34 | 11.39 |

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

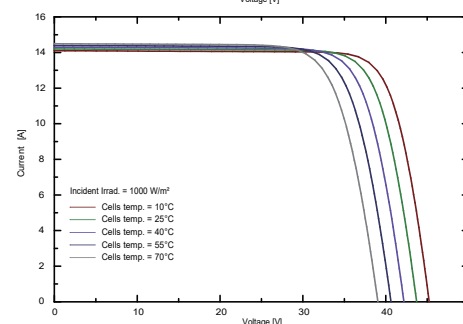
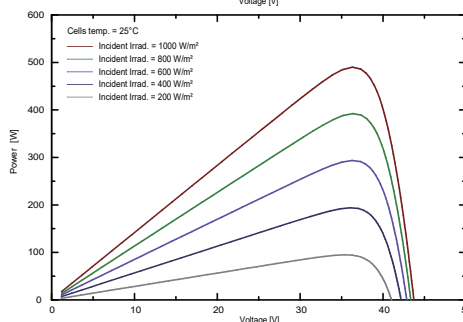
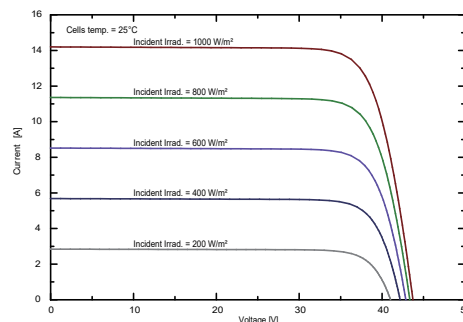
Packaging Configuration

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

Engineering Drawing (mm)



Characteristic Curves(490W)



Mechanical Properties

| | |
|------------------|---|
| Number of Cells | 120 [2 x (10x 6)] |
| Module Dimension | 1952*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 |