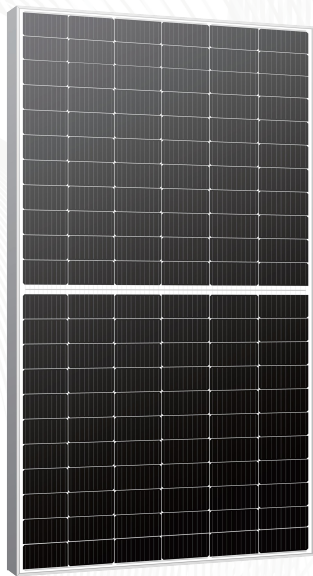


Aurora Pro

N-Type

S8-132NT 530~545W

Half-cell Mono Module



545W

Maximum Power Output

22.44%

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

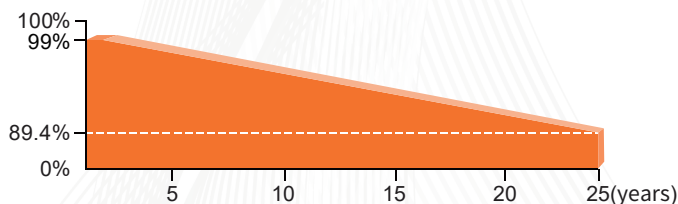
- Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



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

RS530~545S8-132NT

Electrical Properties(STC*)

Power Output(Wp)	530	535	540	545
Max Power Tolerance(W)	0-5	0-5	0-5	0-5
Module Efficiency(%)	21.82	22.03	22.23	22.44
Voltage Mpp-Vmpp(V)	39.61	39.78	39.94	40.10
Current Mpp-Impp(A)	13.38	13.45	13.52	13.59
Voltage Open Circuit-Voc(V)	47.81	48.01	48.21	48.41
Short Circuit Current-Isc(A)	13.99	14.06	14.13	14.20

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

Electrical Properties(NOCT*)

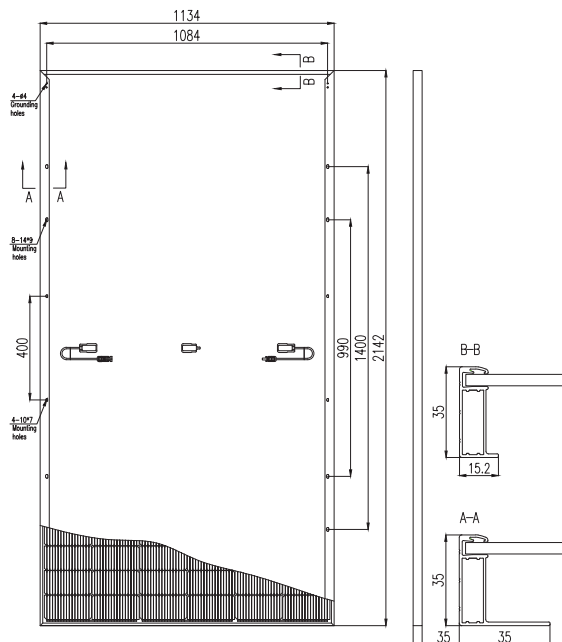
Power Output(Wp)	399	402	406	410
Voltage Mpp-Vmpp(V)	36.91	36.98	37.18	37.34
Current Mpp-Impp(A)	10.81	10.87	10.92	10.98
Voltage Open Circuit-Voc(V)	45.42	45.61	45.80	45.99
Short Circuit Current-Isc(A)	11.23	11.29	11.35	11.40

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

Packaging Configuration

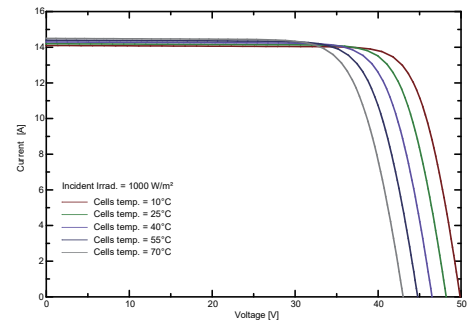
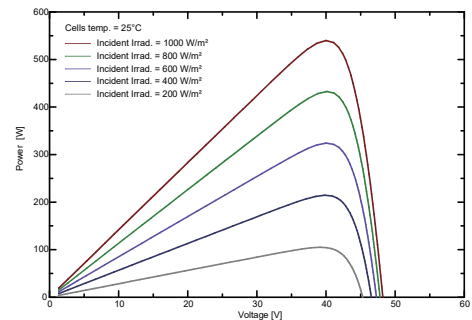
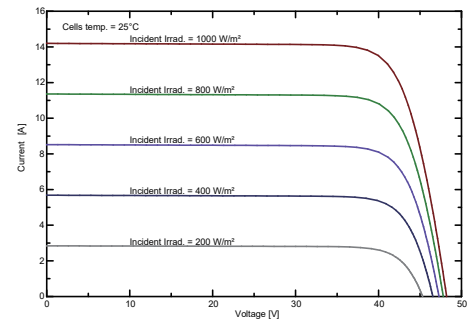
Packing Type	40'HQ
Piece/Pallet	31
Piece/Container	682

Engineering Drawing (mm)



Note: 400mm hole distance is only applicable when specified by the customer

Characteristic Curves(540W)



Mechanical Properties

Number of Cells	132 [2 x (11x 6)]
Module Dimension	2142*1134*35mm
Weight	25 kg
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