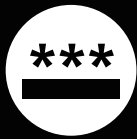


Alps Series

FULL BLACK
DOUBLE GLASS
MODULE

10000 Pa

Maximum Snow
Load Capacity



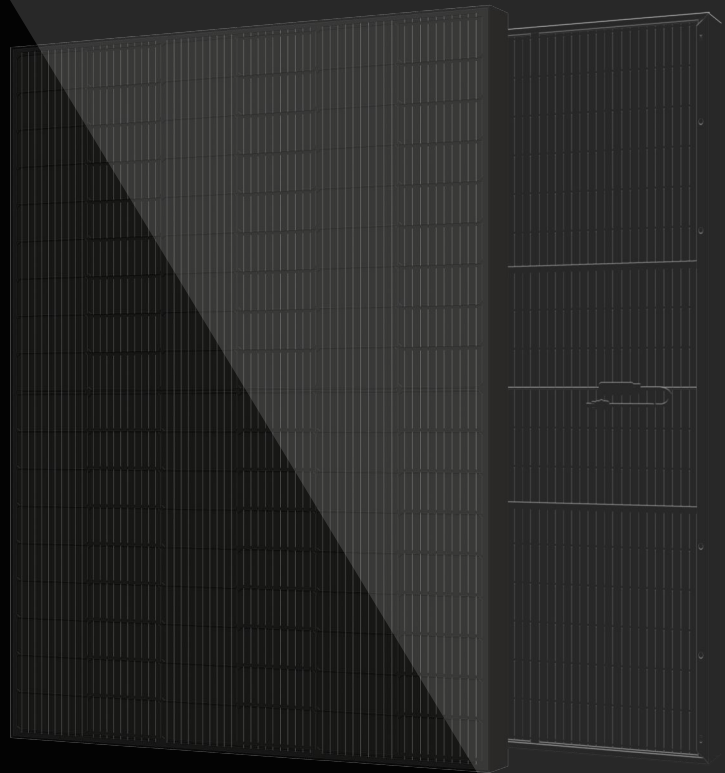
Stronger
Frame



Withstanding
Harsh Environment



N-Type



Module power
up to **440W**



Aurora Series

RS420~440S8B-108GANT



Jiangsu Runda PV Co., Ltd.

Electrical Characteristics(STC*)

Power Output(Wp)	420	425	430	435	440
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	21.51	21.76	22.02	22.28	22.53
Voltage Mpp-Vmpp(V)	31.63	31.81	31.99	32.17	32.35
Current Mpp-Impp(A)	13.28	13.36	13.44	13.52	13.60
Voltage Open Circuit-Voc(V)	38.02	38.21	38.40	38.59	38.78
Short Circuit Current-Isc(A)	14.05	14.13	14.21	14.29	14.37

*STC:Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5

Electrical Characteristics(NMOT*)

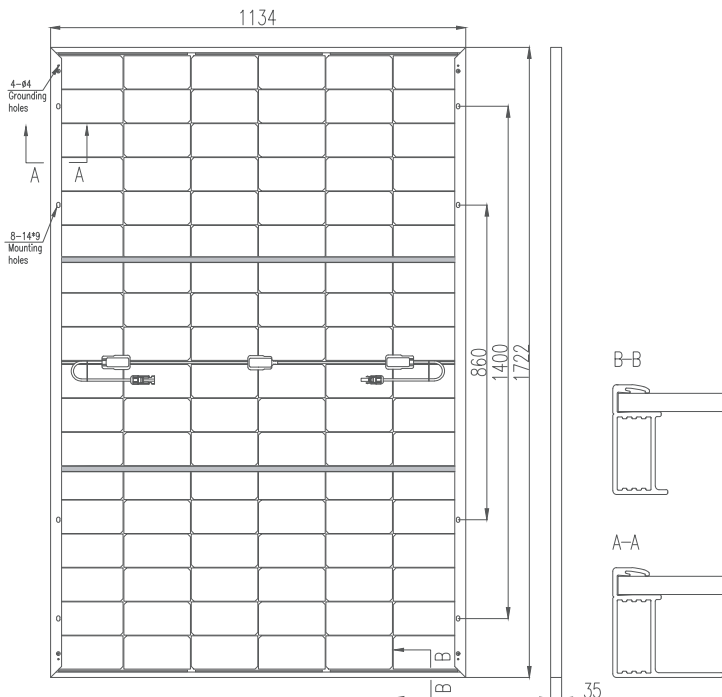
Power Output(Wp)	318	322	326	329	333
Voltage Mpp-Vmpp(V)	29.75	29.93	30.07	30.16	30.33
Current Mpp-Impp(A)	10.69	10.76	10.84	10.91	10.98
Voltage Open Circuit-Voc(V)	36.16	36.35	36.54	36.73	36.92
Short Circuit Current-Isc(A)	11.31	11.37	11.43	11.49	11.55

*NMOT:Irradiance 800 W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

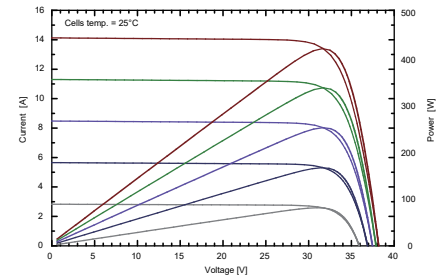
With Different Power Generation Gain (regarding 425W as an example)

Power Gain (%)	Power Output (Wp)	Voltage Mpp-Vmpp (V)	Current Mpp-Impp (A)	Voltage Open Circuit-Voc (V)	Short Circuit Current-Isc (A)
10	468	31.81	14.70	38.21	15.54
15	489	31.81	15.36	38.21	16.25
20	510	31.81	16.03	38.21	16.96
25	531	31.81	16.70	38.21	17.66
30	553	31.81	17.37	38.21	18.37

Module Structure Drawing (mm)



Curves(425W)



Mechanical Data

Dimension Of Module	1722*1134*35mm
Weight	25kg
Front/Back Glass	2.0mm heat strengthened glass
Cables	4mm ² /300mm or Customized Length
Junction Box	IP68,3 bypass diodes
Connector	MC4 compatible

Packaging Configuration

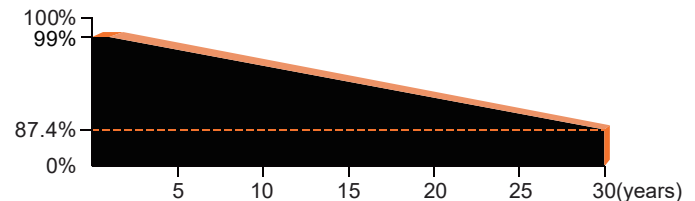
Container	40'HQ
Loading Capacity	806 pcs

Working Conditions

Max System Voltage	1500V DC(IEC)
Max Series Fuse Rating	30A
Maximum Load Capacity	Front 10000Pa/Back 2400Pa
Operating Temperature	-40°C~+85°C
Power Bifaciality	80±5%

Temperature Ratings

Temperature Coefficients of Isc(%/°C)	0.046
Temperature Coefficients of Voc(%/°C)	-0.26
Temperature Coefficients of Pmpp(%/°C)	-0.310
NMOT	45±2°C



- 12 Years Product Warranty on Materials and Workmanship
- 30 Years Linear Performance Warranty
- 0.40% Subsequent Annual Degradation