

Aurora Series

500W MBB Bifacial Double Glass Mono PERC Half-cell Module S8-132GA 480~500W



- ▲ Higher output power
- ▲ Module efficiency up to 21.0%
- ▲ Lower temperature coefficient
- ▲ Up to 30% additional power gain from back side depending on albedo



- ▲ Lower LCOE (Levelized Cost Of Energy)
- ▲ High Power output lead to lower BOS cost



- ▲ ISO9001:2015 Quality Management system
- ▲ ISO14001:2015 Environmental Management System
- ▲ ISO45001:2018 Occupational Health and Safety Management System



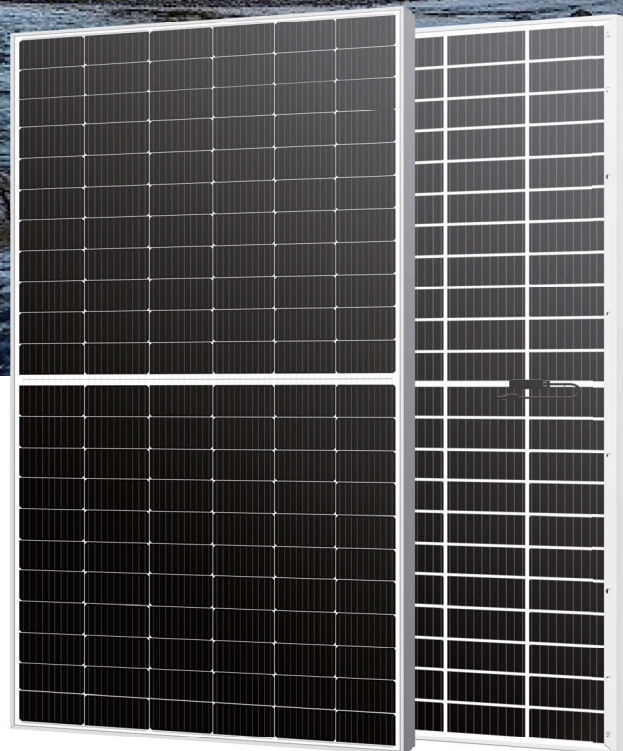
- ▲ Salt Mist Corrosion Protect
- ▲ Ammonia Resistance



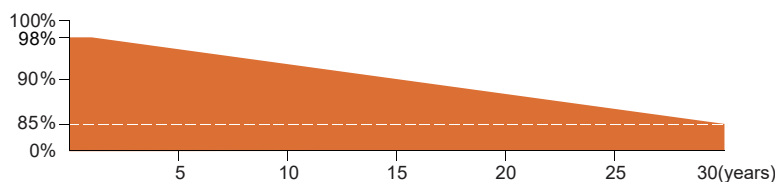
Excellent Potential Induced Degradation Resistance



Excellent Wind Load 2400Pa&Snow Load 5400Pa Under Certain Installation Method



Runda's linear performance warranty



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Aurora Series

RS480~500S8-132GA

Electrical Characteristics(STC*)

Power Output(Wp)	480	485	490	495	500
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	20.2	20.4	20.6	20.8	21.0
Voltage Mpp-Vmpp(V)	37.65	37.83	38.04	38.25	38.43
Current Mpp-Impp(A)	12.75	12.82	12.88	12.94	13.01
Voltage Open Circuit-Voc(V)	45.12	45.38	45.62	45.87	45.98
Short Circuit Current-Isc(A)	13.64	13.70	13.76	13.81	13.87

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

Electrical Characteristics With 10% Rear Side Power Gain

Power Output(Wp)	528	534	539	545	550
Voltage Mpp-Vmpp(V)	37.65	37.83	38.04	38.25	38.43
Current Mpp-Impp(A)	14.03	14.10	14.17	14.23	14.31
Voltage Open Circuit-Voc(V)	45.12	45.38	45.62	45.87	45.98
Short Circuit Current-Isc(A)	15.00	15.07	15.14	15.19	15.26

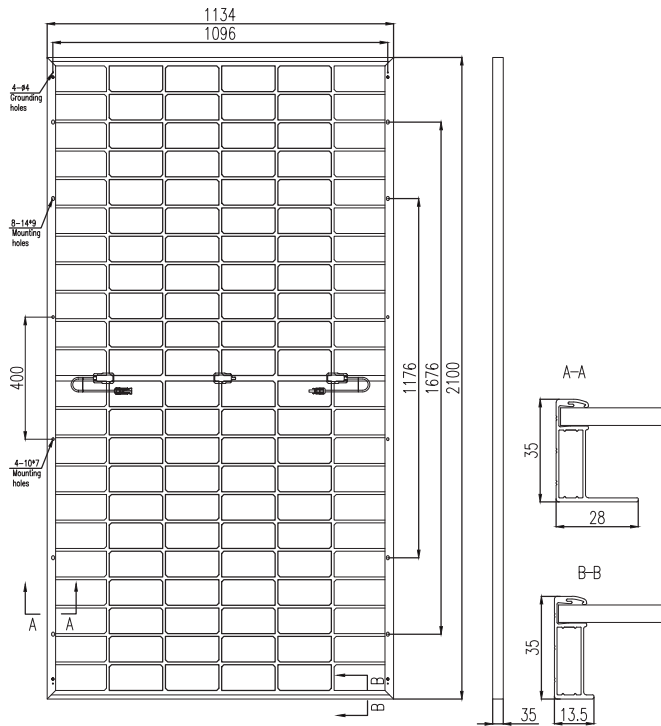
*Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure,height,tilt angle etc.)and albedo of the ground

Electrical Characteristics(NMOT*)

Power Output(Wp)	368.75	372.59	376.43	380.28	384.12
Voltage Mpp-Vmpp(V)	34.32	34.48	34.38	34.87	35.03
Current Mpp-Impp(A)	10.75	10.81	10.86	10.91	10.97
Voltage Open Circuit-Voc(V)	41.66	41.90	42.12	42.35	42.45
Short Circuit Current-Isc(A)	11.60	11.65	11.70	11.74	11.79

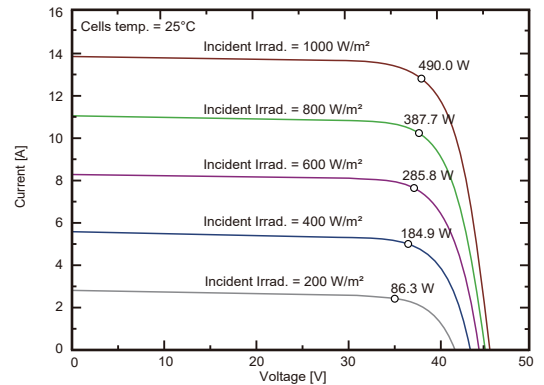
*NMOT:Irradiance 800 W/m²,Environment Temperature 20°C,Air Mass AM1.5

Module Structure Drawing

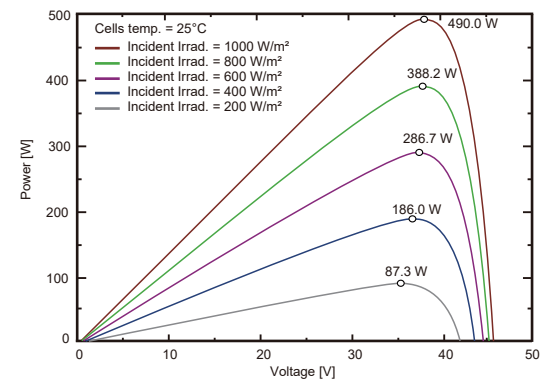


*400mm mounting holes are only suitable for 6005-T6 aluminum frame

I-V Curves(490W)



P-V Curves(490W)



Mechanical Data

Dimension Of Module	2100*1134*35mm
Weight	29.5kg
Front/Back Glass	2.0mm heat strengthened glass
Cables	4mm ² /300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible

Packaging Configuration

Loading Capacity	682 pcs/40'HQ
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Working Conditions

Max System Voltage(VDC)	1500V
Max Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40~+85
Safety Class	II
Power Bifaciality	70±5%

Temperature Ratings

Temperature Coefficients of Isc(%/°C)	0.026
Temperature Coefficients of Voc(%/°C)	-0.272
Temperature Coefficients of Pmpp(%/°C)	-0.353
NMOT	45±2 °C