

Aurora Series

Jiangsu Runda PV Co., Ltd.

550W MBB Monocrystalline Module Half-cell Module S8-144 530~550W



- ▲ Higher output power
- ▲ Module efficiency up to 21.3%
- ▲ Lower temperature coefficient



- ▲ 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



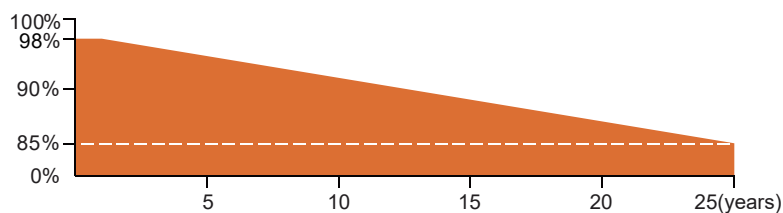
**PID
FREE**

Excellent Potential Induced
Degradation Resistance



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

Runda's linear performance warranty



12 Years
Material&Craft
**Quality
assurance**

25 Years
85% output
**Power
guarantee**

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Aurora Series

RS530~550S8-144

Electrical Characteristics(STC*)

Power Output(Wp)	530	535	540	545	550
Max Power Tolerance(W)	0-5	0-5	0-5	0-5	0-5
Module Efficiency(%)	20.5	20.7	20.9	21.1	21.3
Voltage Mpp-Vmpp(V)	41.28	41.51	41.70	41.92	42.11
Current Mpp-Impp(A)	12.84	12.89	12.95	13.00	13.06
Voltage Open Circuit-Voc(V)	49.61	49.87	49.95	50.04	50.28
Short Circuit Current-Isc(A)	13.66	13.72	13.78	13.84	13.90

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

Electrical Characteristics(NMOT*)

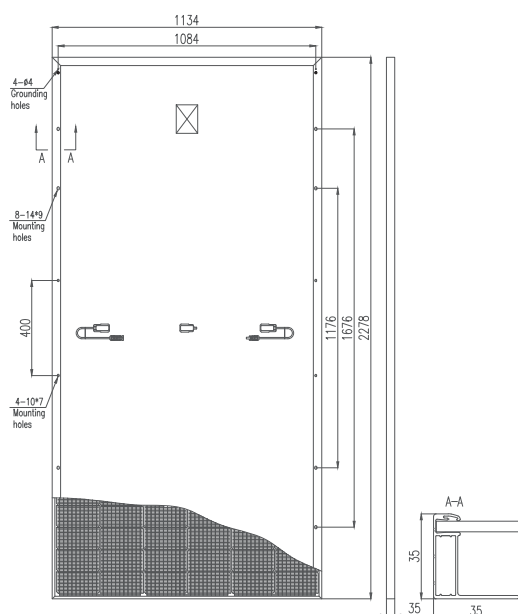
Power Output(Wp)	407.16	411.01	414.85	418.69	422.53
Voltage Mpp-Vmpp(V)	37.62	37.83	38.01	38.21	38.39
Current Mpp-Impp(A)	10.82	10.86	10.91	10.96	11.01
Voltage Open Circuit-Voc(V)	45.80	46.04	46.12	46.20	46.42
Short Circuit Current-Isc(A)	11.61	11.66	11.72	11.77	11.82

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

Mechanical Data

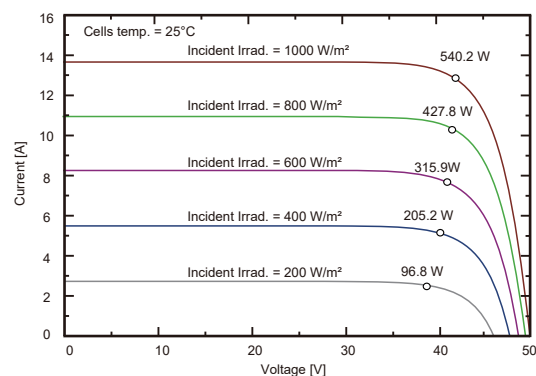
Dimension Of Module	2278*1134*35mm
Weight	27kg
Glass	High transmission glass 3.2mm
Cables	4mm ² /300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible

Module Structure Drawing

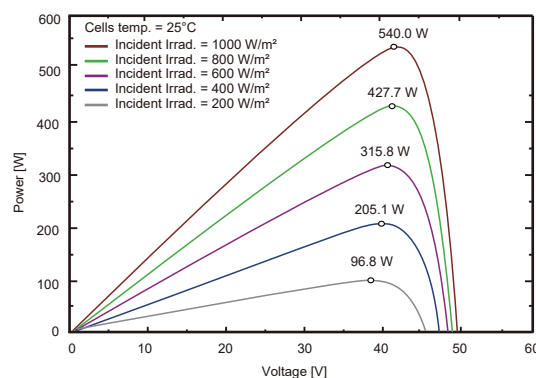


*400mm mounting holes are only suitable for 6005-T6 aluminum frame

I-V Curves(540W)



P-V Curves(540W)



Packaging Configuration

Container	40'HQ
Pieces Per Pallet	31
Pallets Per Container	20
Pieces Per Container	620

Working Conditions

Max System Voltage(VDC)	1500V
Max Series Fuse Rating	25A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40~+85
Safety Class	II

Temperature Ratings

Temperature Coefficients of Isc(%/°C)	0.046
Temperature Coefficients of Voc(%/°C)	-0.266
Temperature Coefficients of Pmpp(%/°C)	-0.354
NMOT	45±2 °C