

Aurora Series

Jiangsu Runda PV Co., Ltd.

455W MBB Monocrystalline Module Half-cell Module S8-120 435~455W



- ▲ Higher output power
- ▲ Module efficiency up to 21.0%
- ▲ 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

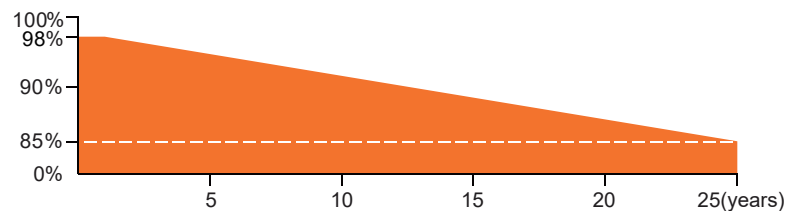


Excellent Potential Induced Degradation Resistance



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

Aurora Series

RS435~455S8-120

Electrical Characteristics(STC*)

| | | | | | |
|------------------------------|-------|-------|-------|-------|-------|
| Power Output(Wp) | 435 | 440 | 445 | 450 | 455 |
| Max Power Tolerance(W) | 0-5 | 0-5 | 0-5 | 0-5 | 0-5 |
| Module Efficiency(%) | 20.0 | 20.3 | 20.5 | 20.7 | 21.0 |
| Voltage Mpp-Vmpp(V) | 33.98 | 34.21 | 34.42 | 34.67 | 34.92 |
| Current Mpp-Impp(A) | 12.80 | 12.86 | 12.93 | 12.98 | 13.03 |
| Voltage Open Circuit-Voc(V) | 40.75 | 41.01 | 41.22 | 41.48 | 41.75 |
| Short Circuit Current-Isc(A) | 13.68 | 13.74 | 13.82 | 13.88 | 13.93 |

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

Electrical Characteristics(NMOT*)

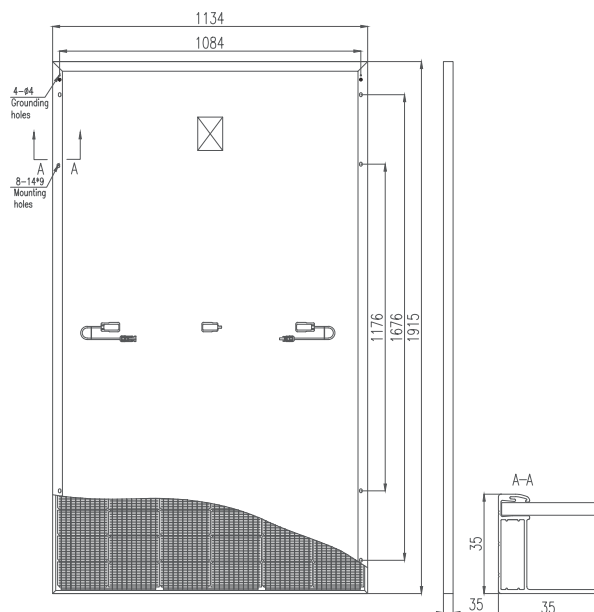
| | | | | | |
|------------------------------|--------|--------|--------|--------|--------|
| Power Output(Wp) | 334.18 | 338.02 | 341.86 | 345.71 | 349.55 |
| Voltage Mpp-Vmpp(V) | 30.98 | 31.19 | 31.37 | 31.60 | 31.83 |
| Current Mpp-Impp(A) | 10.79 | 10.84 | 10.90 | 10.94 | 10.98 |
| Voltage Open Circuit-Voc(V) | 37.62 | 37.86 | 38.06 | 38.30 | 38.55 |
| Short Circuit Current-Isc(A) | 11.63 | 11.68 | 11.75 | 11.80 | 11.84 |

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

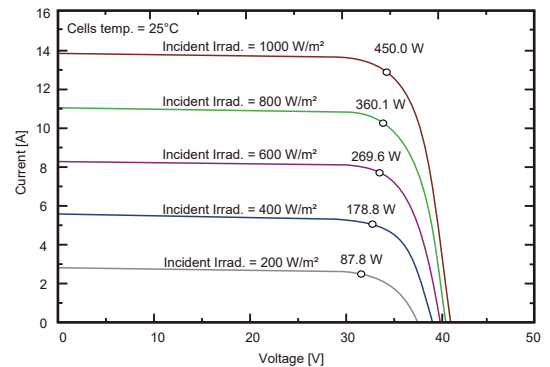
Mechanical Data

| | |
|---------------------|--|
| Dimension Of Module | 1915*1134*35mm |
| Weight | 23.5kg |
| Glass | High transmission glass 3.2mm |
| Cables | 4mm ² /300mm or Customized Length |
| Junction Box | IP68,3 Bypass-Diode |
| Connector | MC4 compatible |

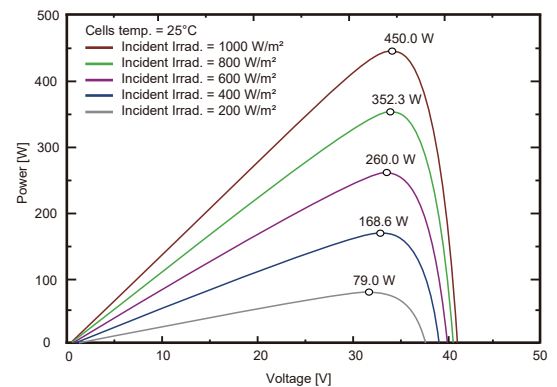
Module Structure Drawing



I-V Curves(450W)



P-V Curves(450W)



Packaging Configuration

| | |
|-----------------------|-------|
| Container | 40'HQ |
| Pieces Per Pallet | 31 |
| Pallets Per Container | 24 |
| Pieces Per Container | 744 |

Working Conditions

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