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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Zhejiang Aurora PV Solar Co., Ltd.**

**AU-96M 230-275**

**AU-96M-235**

Also available on the web at  
[EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-96m-235](http://EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-96m-235)

# Aurora PV

## Key Features

96 Mono-Crystalline solar cells

Unique frame design to reinforce sealing and to prevent freezing and warping

Strong aluminum frames to strengthen the load hold and to stand against high wind

Special mounting holes on the frames for long and short side mounting

High transparency low iron tempered glass with enhanced stiffness and impact resistance

Advanced EVA encapsulation system with multilayer backsheets to better product modules

25-year transferrable power output warranty: 5 years/95%, 12 years/90%, 25 years/80%



## Composition

1	Tempered Glass
2	EVA
3	Solar Cell
4	EVA
5	Triple-layer back sheet

## Electrical Characteristics

Model	Voc(V)	Vpm(V)	Pmax(W)	Isc(A)	Ipm(A)	FF
AU-96M-230	59.49	48.32	230	5.31	4.78	73.12
AU-96M-235	59.62	48.51	235	5.39	4.89	73.82
AU-96M-240	59.86	48.59	240	5.44	4.95	73.86
AU-96M-245	60.27	48.68	245	5.5	5.06	74.31
AU-96M-250	60.39	48.8	250	5.56	5.17	75.14
AU-96M-255	60.47	48.89	255	5.59	5.23	75.64
AU-96M-260	60.65	49.22	260	5.61	5.25	75.95
AU-96M-265	60.79	49.53	265	5.65	5.35	77.15
AU-96M-270	60.91	49.92	270	5.69	5.42	78.07
AU-96M-275	61.12	50.14	275	5.72	5.49	78.74

Max-System Voltage (VDC) 600V(UL)/1000V(IEC)

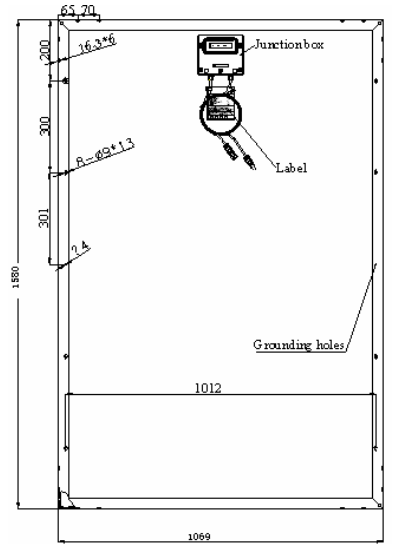
Max.Series Fuse (A) 10

Pm Temperature Coefficients (%/°C)  $-0.5 \pm 0.05$

Isc Temperature Coefficients (%/°C)  $0.06 \pm 0.01$

Voc Temperature Coefficients (%/°C)  $-0.35 \pm 0.05$

NOCT Nominal Operating Cell Temperature  $46 \pm 2^\circ\text{C}$



All specified Parameters are at STC 25°C Ambient, 1000W/m irradiance and AM 1.5

## Mechanical Characteristics

Solar Cell	Monocrystalline 125 × 125 mm
No. of Cells	96 (8 × 12)
Dimensions	1580 × 1069 × 45mm
Weight	25.5kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65
Max.wind load/max.snow load	2400pa/5400pa

## Absolute Ratings

Dielectric Insulation Voltage 3000V

Operating Temperature (°C) -40~+85

Storage Temperature (°C) -40~+85

## Brand Authentication



## Package Information

Packing Configuration	22 pcs/box
Quantity/Pallet	44 pcs/pallet
Loading Capacity	616 pcs/40ft(H)

## Zhejiang Aurora PV Solar Co., Ltd

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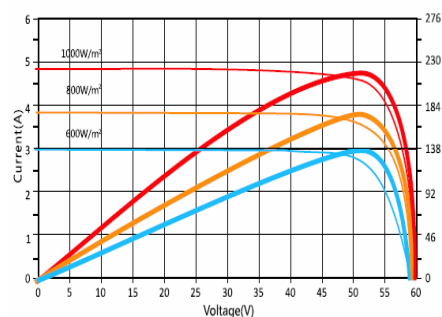
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Current-Voltage&Power-Voltage Curve(220W)



Temperature Dependence of Isc, Voc, Pmax

