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# **EnergyPal**

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

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

**AU-60P 205-245**

**AU-60P-240**

Also available on the web at  
[EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-60p-240](http://EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-60p-240)

# Aurora PV

## Key Features

60 Poly-Crystalline solar cells

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

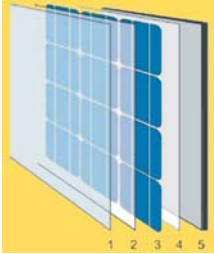
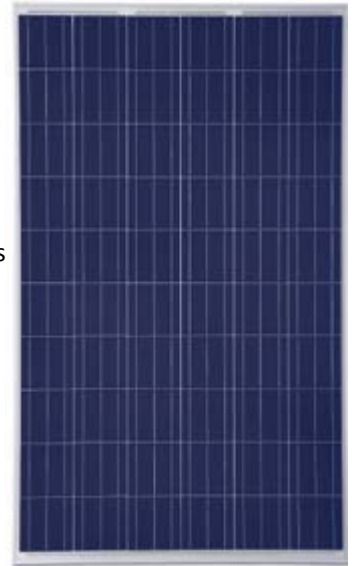
Strong aluminum frames to strengthen the load hold and to stand against high wind

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-60P-205	36.76	27.82	205	8.01	7.37	69.63
AU-60P-210	36.88	28.03	210	8.18	7.53	69.96
AU-60P-215	37.02	28.29	215	8.39	7.6	69.22
AU-60P-220	37.21	28.62	220	8.51	7.74	69.96
AU-60P-225	37.32	28.93	225	8.56	7.8	70.64
AU-60P-230	37.36	29.17	230	8.65	7.89	71.22
AU-60P-235	37.51	29.41	235	8.71	7.98	71.83
AU-60P-240	37.59	29.66	240	8.75	8.08	72.96
AU-60P-245	37.63	29.9	245	8.82	8.19	73.78

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

Max.Series Fuse (A) 15

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  $25^\circ\text{C}$  Ambient,  $1000\text{W}/\text{m}^2$  irradiance and AM 1.5

## Mechanical Characteristics

Solar Cell	Polycrystalline $156 \times 156 \text{ mm}$
No. of Cells	60 ( $6 \times 10$ )
Dimensions	$1640 \times 992 \times 40\text{mm}$
Weight	23kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65

Max.wind load/max.snow load 2400pa/5400pa

## Package Information

Packing Configuration	24 pcs/box
Pallet	48 pcs/pallet
Loading Capacity	624 pcs/40ft(H)

## Zhejiang Aurora PV Solar Co., Ltd

Add: Pingshui Industry Zone, Shaoxing, Zhejiang, China

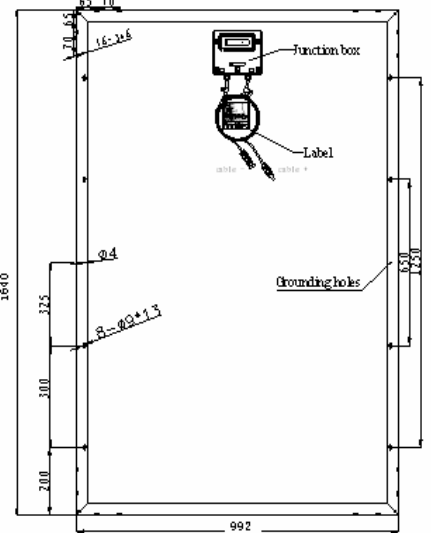
Tel: 0086-575-85730081

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Website: <http://www.aurorapv.com>



## Absolute Ratings

Dielectric Insulation Voltage 3000V

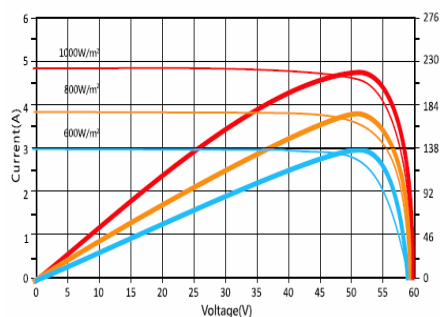
Operating Temperature ( $^\circ\text{C}$ )  $-40 \sim +85$

Storage Temperature ( $^\circ\text{C}$ )  $-40 \sim +85$

## Brand Authentication



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



Temperature Dependence of Isc, Voc, Pmax

