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Solar Panel Guide Specification Data Sheet

Zhejiang Aurora PV Solar Co., Ltd.

AU-60P 205-245

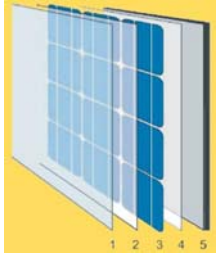
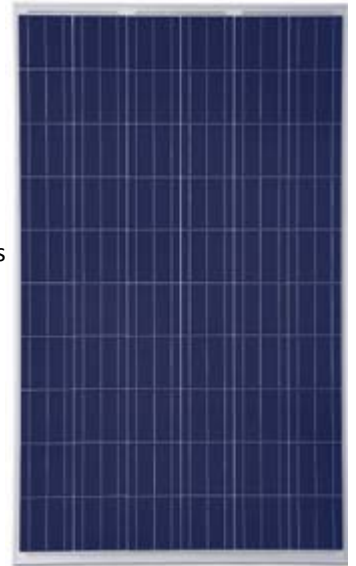
AU-60P-210

Also available on the web at
EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-60p-210

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 ± 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	Polycrystalline 156 × 156 mm
No. of Cells	60 (6 × 10)
Dimensions	1640 × 992 × 40mm
Weight	23kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65

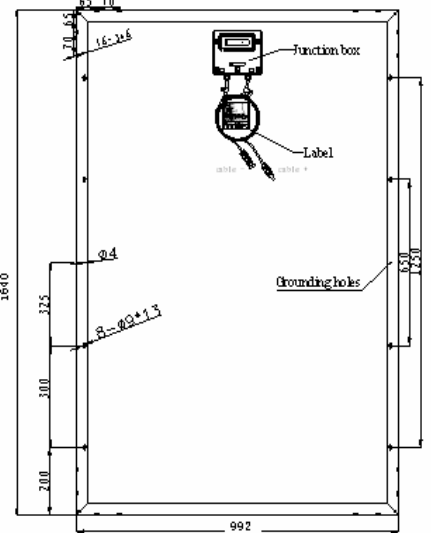
Max.wind load/max.snow load 2400pa/5400pa

Package Information

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

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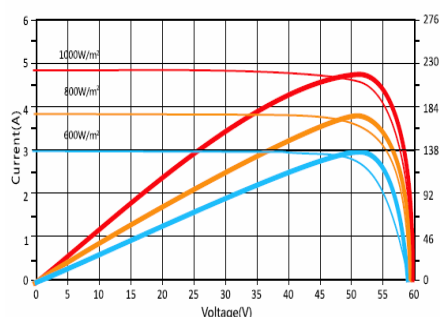
Absolute Ratings

Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

Brand Authentication



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



Temperature Dependence of Isc, Voc, Pmax

