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Solar Panel Guide Specification Data Sheet

Zhejiang Aurora PV Solar Co., Ltd.

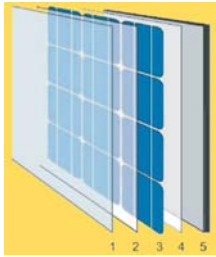
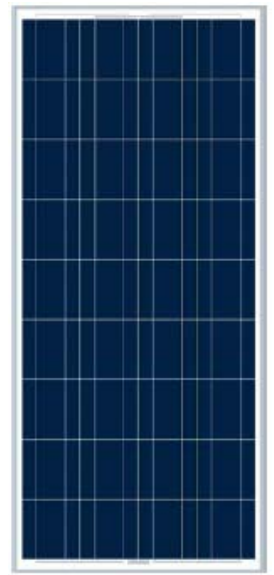
AU-36P 110-145

AU-36P-145

Also available on the web at
EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-36p-145

Key Features

- 36 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

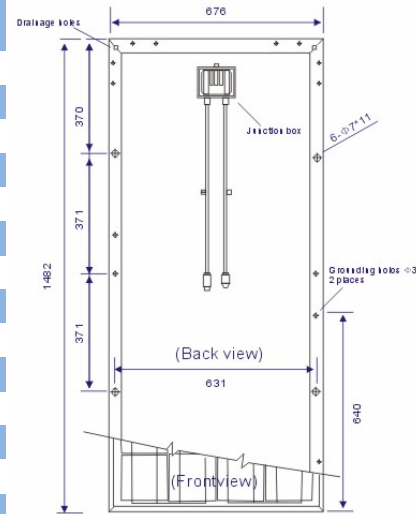
1	Tempered Glass
2	EVA
3	Solar Cell
4	EVA
5	Triple-layer back sheet

Electrical Characteristics

Model	Voc(V)	Vpm(V)	Pmax(W)	Isc(A)	Ipm(A)	FF
AU-36P-110	21.31	17.25	110	7.2	6.38	71.7
AU-36P-115	21.43	17.38	115	7.4	6.62	72.6
AU-36P-120	21.59	17.6	120	7.72	6.81	71.9
AU-36P-130	21.72	17.78	130	8.02	7.31	74.6
AU-36P-135	21.85	18	135	8.18	7.5	75.5
AU-36P-140	21.95	18.3	140	8.25	7.65	77.3
AU-36P-145	22.3	18.6	145	8.4	7.8	77.5

Max-System Voltage (VDC)	600V(UL)/1000V(IEC)
Max.Series Fuse (A)	15
Pm Temperature Coefficients (%/°C)	-(0.5±0.05)
Isc Temperature Coefficients (%/°C)	0.06±0.01
Voc Temperature Coefficients (%/°C)	-(0.35±0.05)
NOCT Nominal Operating Cell Temperature	46±2°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	36 (4 × 9)
Dimensions	1482 × 676 × 35mm
Weight	12kg
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



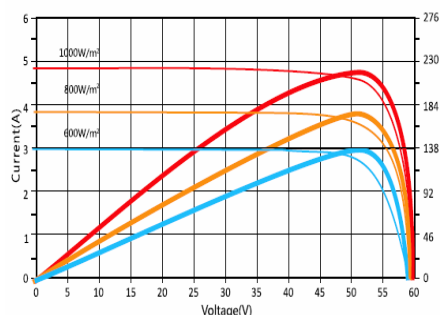
Package Information

Packing Configuration	24 pcs/box or 2 pcs/box
Quantity/Pallet	56 pcs/pallet
Loading Capacity	840 pcs/40ft

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



Temperature Dependence of Isc, Voc, Pmax

