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Solar Panel Guide Specification Data Sheet

Zhejiang Aurora PV Solar Co., Ltd.

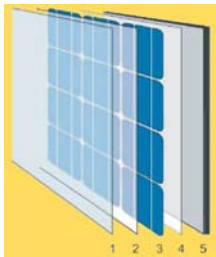
AU-36M 85-100

AU-36M-95

Also available on the web at
EnergyPal.com/zhejiang-aurora-pv-solar-co-ltd-solar-panels/au-36m-95

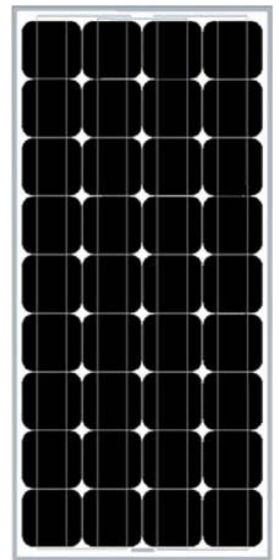
Key Features

- 36 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-36M-85 | 22.32 | 18.16 | 85 | 5.23 | 4.71 | 73.27 |
| AU-36M-90 | 22.45 | 18.25 | 90 | 5.42 | 4.97 | 74.54 |
| AU-36M-95 | 22.69 | 18.31 | 95 | 5.55 | 5.2 | 75.61 |
| AU-36M-100 | 22.84 | 18.65 | 100 | 5.65 | 5.37 | 77.61 |

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

Max.Series Fuse (A) 10

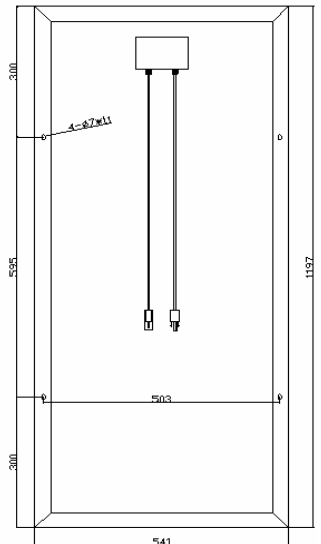
Pm Temperature Coefficients (%/°C) $-(0.5 \pm 0.05)$

Isc Temperature Coefficients (%/°C) 0.06 ± 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, $1000\text{W}/\text{m}^2$ irradiance and AM 1.5



Mechanical Characteristics

| | |
|-----------------------------|---|
| Solar Cell | Monocrystalline $125 \times 125 \text{ mm}$ |
| No. of Cells | 36 (4×9) |
| Dimensions | $1197 \times 541 \times 35 \text{ mm}$ |
| Weight | 8.6 kg |
| 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) | $-40 \sim +85$ |
| Storage Temperature (°C) | $-40 \sim +85$ |

Brand Authentication



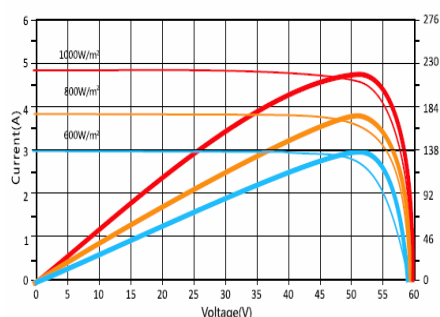
Package Information

| | |
|-----------------------|-------------------------|
| Packing Configuration | 24 pcs/box or 2 pcs/box |
| Quantity/Pallet | 60 pcs/pallet |
| Loading Capacity | 1080 pcs/40ft |

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



Temperature Dependence of Isc, Voc, Pmax

