

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

Aide Solar Energy Technology Co., Ltd.

AD310-325Q6-Aa

AD315Q6-Aa

Also available on the web at
EnergyPal.com/aide-solar-energy-technology-co-ltd-solar-panels/ad315q6-aa



Features

- Highly efficient energy conversion.
- High strength with wind and snow loads guaranteed up to 5400 Pascal.
- All modules are tested 100% by EL (Electroluminescence) before and after lamination.
- Drainage and other designs prevent deforming and fracturing due to freezing or other forces.
- Power categorization one watt per pallet thus minimizing workload of classification at worksite.
- Positivetolerance for perfect performance.

Electrical Characteristics

| STC | AD310Q6-Aa | AD315Q6-Aa | AD320Q6-Aa | AD325Q6-Aa |
|---------------------------------|------------|------------|------------|------------|
| Maximum Power at STC (Pmax) | 310W | 315W | 320W | 325W |
| Optimum Operating Voltage (Vmp) | 37.21V | 37.44V | 37.68V | 37.92V |
| Optimum Operating Current (Imp) | 8.33A | 8.41A | 8.49A | 8.57A |
| Open Circuit Voltage (Voc) | 46.07V | 46.37V | 46.68V | 46.98V |
| Short Circuit Current(Isc) | 8.83A | 8.89A | 8.95A | 9.01A |
| Module Efficiency | 15.98% | 16.23% | 16.49% | 16.75% |
| Operating Temperature | -40~85°C | -40~85°C | -40~85°C | -40~85°C |
| Maximum System Voltage | 1000V DC | 1000V DC | 1000V DC | 1000V DC |
| Maximum Series Fuse Rating | 15A | 15A | 15A | 15A |
| Power Tolerance | 0W~+5W | 0W~+5W | 0W~+5W | 0W~+5W |

STC: Irradiance of 1000W/m², spectrum AM=1.5, module temperature of 25°C

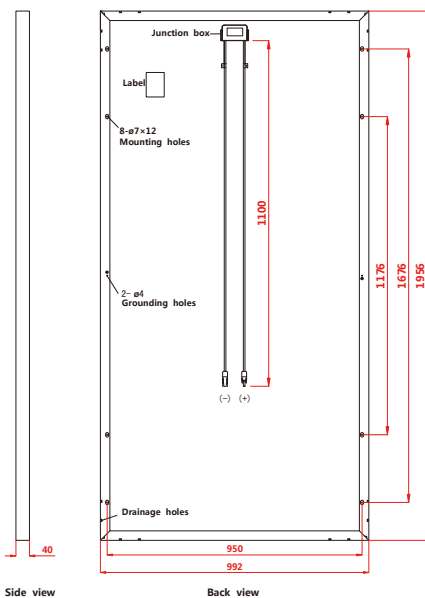
Mechanical Characteristics

| | |
|---|-------------------------------------|
| Cell Type | Polycrystalline 156×156mm(6 inches) |
| Number of Cells | 72(6×12) |
| Dimensions | 1956×992×40mm |
| Weight | 22kg |
| Front Cover | Tempered glass |
| Frame Material | Anodized aluminium alloy |
| Standard Packaging (Modules per Pallet) | 26pcs |

Temperature Characteristics

| | |
|------------------------------------|-----------|
| Nominal Operating Cell Temperature | 45±2°C |
| Temperature Coefficient of Pmax | -0.42%/°C |
| Temperature Coefficient of Voc | -0.30%/°C |
| Temperature Coefficient of Isc | 0.06%/°C |

*Specifications included in this datasheet are subject to change without further notification.



Current-Voltage & Power- Voltage Curve(AD310Q6-Aa)

