

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

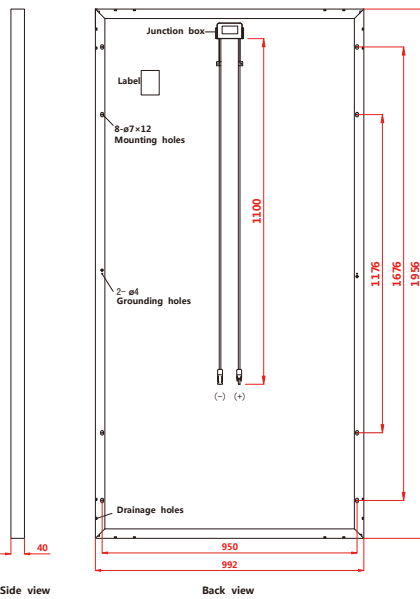
Mechanical Characteristics

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)

