

# AJB-M672 Series 280W-310W Multi-Crystalline Photovoltaic Modules

## Electrical Performance @ STC\*1

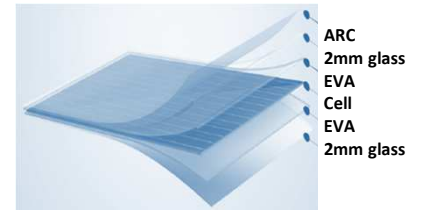
Maximum Power	Pmax[W]	280	285	290	295	300	305	310
Power Tolerance*2		+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%	+/-3%
Solar Cell Type		Multi-crystalline 6" ( 156 x 156 mm)						
Number of Solar Cells		72 (6 x 12)						
Maximum Power Voltage	Vmp[V]	35.1	35.4	35.7	36	36.3	36.6	36.9
Maximum Power Current	Imp[A]	8.38	8.46	8.53	8.6	8.68	8.75	8.82
Open Circuit Voltage	Voc[V]	44.5	44.9	45.3	45.7	46.1	46.5	46.9
Short Circuit Current Isc	Isc[A]	7.98	8.05	8.12	8.19	8.26	8.32	8.39
Module Efficiency	[%]	14.3%	14.6%	14.8%	15.1%	15.3%	15.6%	15.8%

\*1 STC: Irradiance level 1000 W/m<sup>2</sup>; Spectral AM1.5; Cell Temperature 25°C

\*2 Power tolerance can be adjusted upon requests

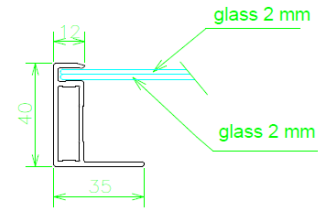
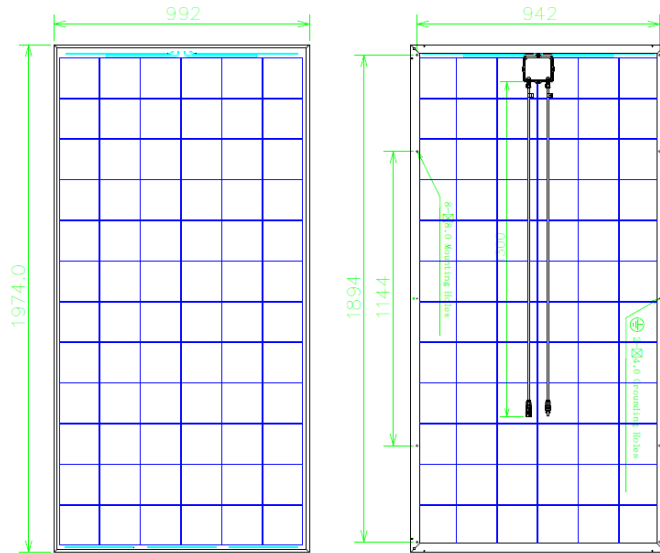
\*3 NOCT: 46±2°C

## Glass Structure



## Mechanical Characteristics

Dimensions of the Module (W×H×D)(mm)	1974X992X40
Weight of the Module	27.5
Junction box	IP 65/ IP 67 or above with 3 bypass diodes ; cables 1M/φ 4mm <sup>2</sup>
Series fuse rating Inside Junction Box	15A



## Warranty

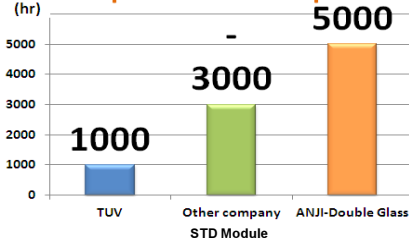
**Product Warranty:**  
10 years for material and workmanship

**Performance Guarantee:**  
90% for 15 years Guaranteed output  
80% for 30 years Guaranteed output

\* Test Condition: Damp heat test ---5000hr 85 °C 85% RH



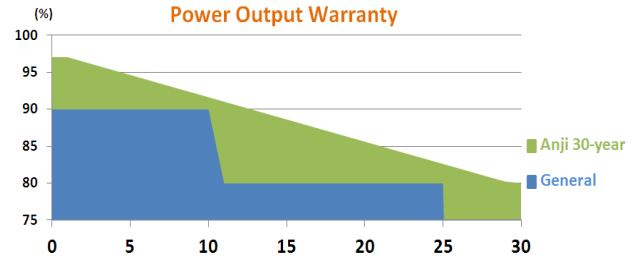
## Damp Heat Test Comparison



## Temperature Coefficient

Isc Temperature Coefficient: α(%/°C) 0.56  
Voc Temperature Coefficient: β(%/°C) -0.35  
Pmax Temperature Coefficient: γ(%/°C) -0.48

## Power Output Warranty



## Certificate



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\* Specification are subject to change without notice

