

## Module

JT315SAc series is a medium-powered module product ideal for roof top or ground mounted large, medium or small sized off-grid and on-grid solar power systems where long term economics, reliability and environmental issues are of a real concern.

JT315SAc have gone through various rigorous in-house reliability tests, i.e., LID under natural sunlight as well as artificial sunlight to guarantee the rated power output.

## Key Features

- 72 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

## Applications

- Large on and off-grid solar power stations
- Commercial/industrial building roof-top systems
- Residential roof-top systems
- Other industrial and commercial applications

## Limited Warranty

- 25 years limited warranty on power output  
90% power output assurance for 10 years, and 80% power output assurance for 25 years.  
Please refer to warranty statement for warranty conditions in detail.

## Certificates

- IEC 61215.2 / IEC61730



### Asia-Pacific

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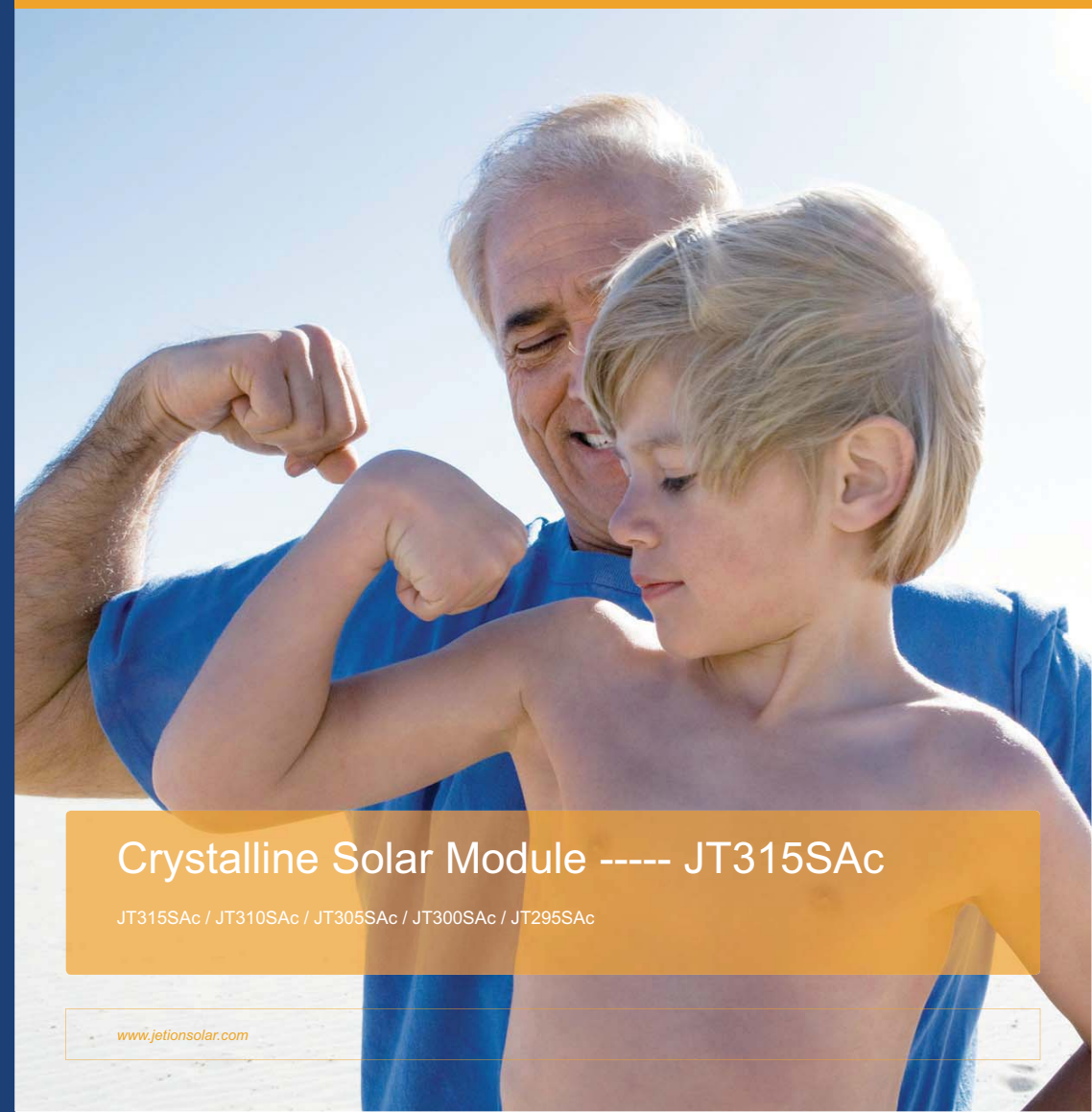
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**SOLAR**

*visionary green energy*

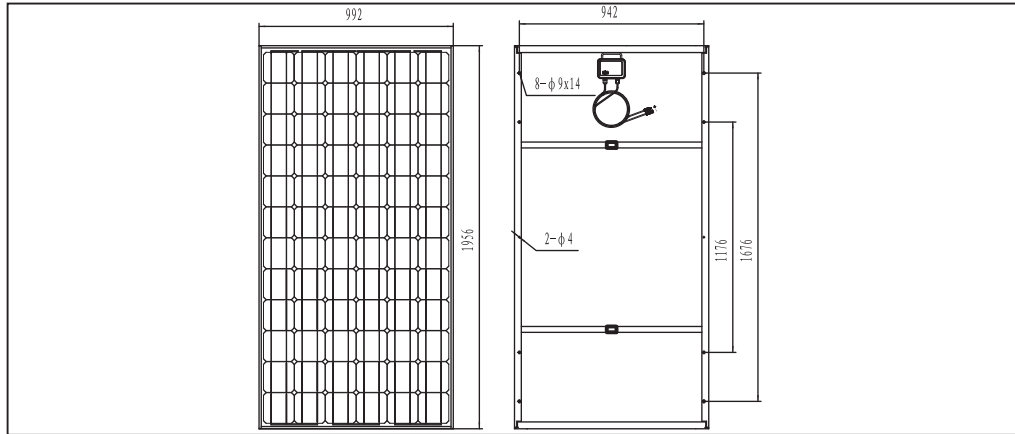


## Crystalline Solar Module ----- JT315SAc

JT315SAc / JT310SAc / JT305SAc / JT300SAc / JT295SAc

[www.jetionsolar.com](http://www.jetionsolar.com)

## Crystalline Solar Module ----- JT315SAc



### Electrical Characteristics

All specified Parameters are at STC 25°C Ambient, 1000W/ m<sup>2</sup> irradiance and AM 1.5

Type	JT295SAc	JT300SAc	JT305SAc	JT310SAc	JT315SAc
Max-Power P <sub>m</sub> (W)	295	300	305	310	315
Module Power Range (W)	300 > P <sub>m</sub> ≥ 295	305 > P <sub>m</sub> ≥ 300	310 > P <sub>m</sub> ≥ 305	315 > P <sub>m</sub> ≥ 310	P <sub>m</sub> ≥ 315
Power Tolerance (W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage V <sub>m</sub> (V)	34.7	35	35.3	35.6	35.9
Max-Power Current I <sub>m</sub> (A)	8.51	8.58	8.65	8.71	8.78
Short-Circuit Current I <sub>sc</sub> (A)	9.25	9.3	9.35	9.4	9.45
Open-Circuit Voltage V <sub>oc</sub> (V)	41	41.3	41.7	42	42.3
Max-System Voltage (VDC)	1000V(IEC)				
Cell Efficiency (%)	17.1	17.4	17.7	18.0	18.3
Module Efficiency (%)	15.2	15.5	15.7	16.0	16.2
Max.Series Fuse (A)	15				
P <sub>m</sub> Temperature Coefficients (W/°C)	-0.9964				
I <sub>sc</sub> Temperature Coefficients (A/°C)	0.0023				
V <sub>oc</sub> Temperature Coefficients (V/°C)	-0.1801				
NOCT Nominal Operating Cell Temperature	47±2°C				

Maximum load rating:5400Pa(112.78lbf/ft<sup>2</sup>)

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### Mechanical Characteristics

Cable type,Diameter and Length	4mm <sup>2</sup> ,TUV certified,1250mm
Type of Connector	Compatible Type IV
Number,type and arrangement of cells	72pcs,Mono-Crystalline Silicon(6×12)
Cell Size (mm)	156×156
Dimension (mm)	1956×992×45
Weight (Kg)	26
No.of Draining Holes in Frame	10
Glass,Type and Thickness	High Transmission,Low Iron,Tempered Glass 4.0mm

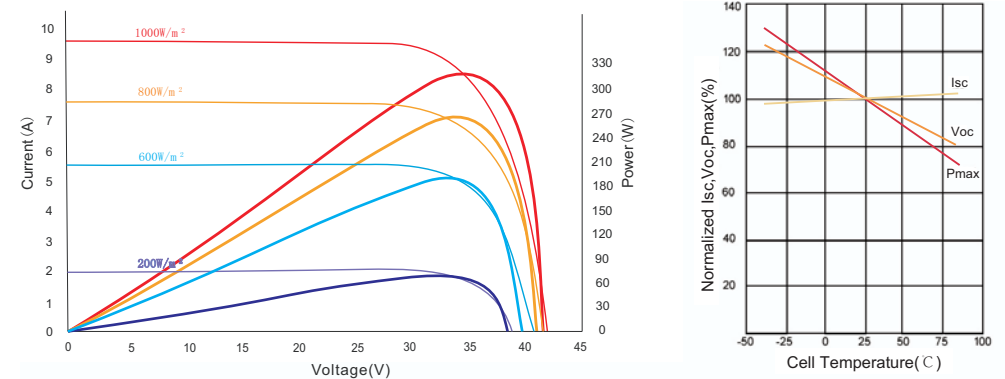
### Packaging Configuration

Packing Configuration	22 pcs/box
Quantity/Pallet	44 pcs/pallet
Loading Capacity	528 pcs/40ft(H)

### Absolute Ratings

Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

### I-V Curves



### I-V Curves at different Irradiances (AM1.5 25 C)

Specifications included in this datasheet are subject to change without prior notice