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Solar Panel Guide Specification Data Sheet

Jetion Solar (China) Co., Ltd.

JT PAg 300-350W

JT 305PAg

Also available on the web at
EnergyPal.com/jetion-solar-china-co-ltd-solar-panels/jt-305pag



JT PAg

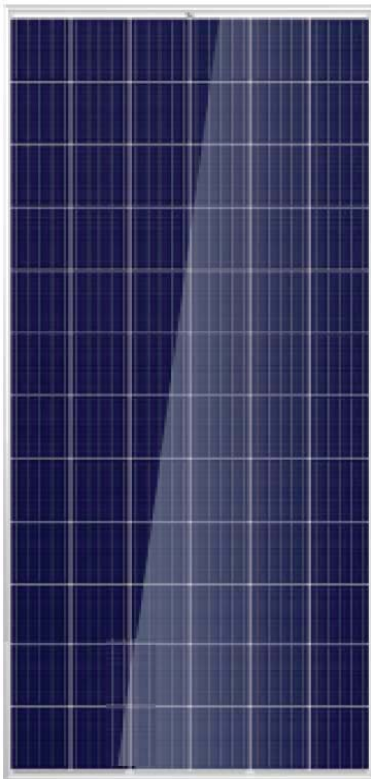
Multi-crystalline 156x156 Module

72 cells
Multi-crystalline Module

18.0%
Max Efficiency

300-350W
Output Power

0~+5W
Power Tolerance



Key Features



High conversion efficiency

High module conversion efficiency, through innovative manufacturing technology.



Low-light Performance

Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



Severe Weather Resilience

Certified to withstand : wind load (2400 Pascal) and snow load (5400 Pascal).



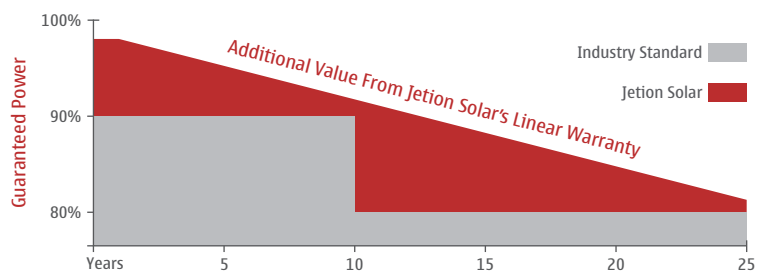
Durability against extreme environmental conditions

High salt mist and PID certified by TUV SUD(Optional).



Linear Performance Warranty

10 Year Product Warranty / 25 Year Linear Power Warranty

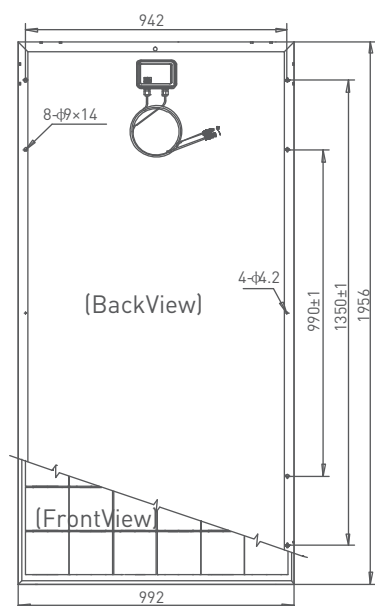
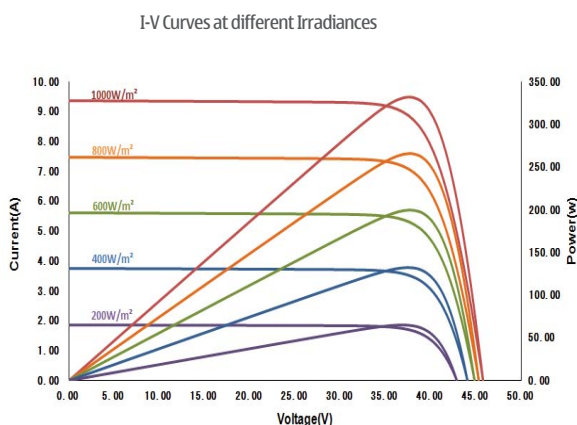


All specified Parameters are at STC 25 °C Ambient, 1000W/m² irradiance and AM1.5

STC		Electrical Characteristics									
Tape		JT305PAg	JT310PAg	JT315PAg	JT320PAg	JT325PAg	JT330PAg	JT335PAg	JT340PAg	JT345PAg	JT350PAg
Module Power Range	(W)	305≤Pm<310	310≤Pm<315	315≤Pm<320	320≤Pm<325	325≤Pm<330	330≤Pm<335	335≤Pm<340	340≤Pm<345	345≤Pm<350	350≤Pm
Max-Power	Pm(W)	305	310	315	320	325	330	335	340	345	350
Max-Power Voltage	Vm(V)	36.5	36.6	36.7	36.9	37.1	37.3	37.5	37.7	37.9	38.2
Max-Power Current	Im(A)	8.40	8.51	8.63	8.72	8.81	8.89	8.97	9.06	9.13	9.19
Open-Circuit Voltage	Voc(V)	45.0	45.1	45.2	45.4	45.6	45.7	45.9	46.1	46.3	46.6
Short-Circuit Current	Isc(A)	8.96	9.05	9.14	9.23	9.27	9.35	9.42	9.50	9.57	9.63
Module Efficiency	(%)	15.7	16.0	16.2	16.5	16.7	17.0	17.3	17.5	17.8	18.0
Pm Temperature Coefficients	(%/°C)	-0.41									
Voc Temperature Coefficients	(%/°C)	-0.31									
Isc Temperature Coefficients	(%/°C)	0.05									

Class AAA solar simulator (IEC 60904-4), power or current measurement uncertainty is within ±3%, voltage is within ±2%.

Varied Irradiation Efficiencies					
Irradiance(W/m ²)	200	400	600	800	1000
Efficiency (%)	16.7	17.1	17.3	17.4	17.3



NOCT	JT325PAg	JT330PAg	
Max-Power	Pm(W)	240.8	244.4
Max-Power Voltage	Vm(V)	34.4	34.5
Max-Power Current	Im(A)	7.01	7.08
Open-Circuit Voltage	Voc(V)	42.2	42.3
Short-Circuit Current	Isc(A)	7.48	7.54
NOCT Nominal Operating Cell Temperature	45±2 °C		

NOCT: Irradiance 800W/m², ambient temperature 20 °C, AM=1.5, wind speed 1m/s.

Absolute Ratings	
Dielectric Insulation Voltage	6000/8000V
Operating Temperature (°C)	-40~+85
Max-System Voltage (V DC)	1000/1500
Max-Series Fuse (A)	15
Maximum load rating	5400Pa(112.78lbf/ft ²)

Mechanical Parameters	
Cable type, Diameter and Length	4mm ² , TUV certified, 1000mm
Type of Connector	Compatible with MC4 plug
Number, type and arrangement of cells	72pcs, Multi-Crystalline Silicon(6×12)
Cell Size (mm)	156.75x156.75
Dimension (mm)	1956x992x40
Weight (Kg)	25.5
No. of Draining Holes in Frame	16
Glass, Type and Thickness	Low Iron, High Transmission, Tempered Glass 4.0mm

Packaging Configuration	
Packing Configuration	27pcs/box
Quantity/Pallet	54 pcs/pallet
Loading Capacity	648 pcs/40ft(H)

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