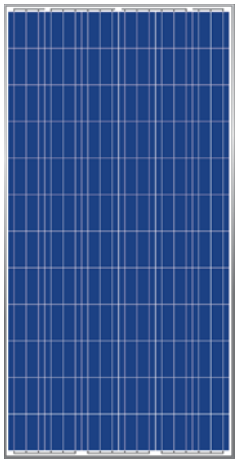
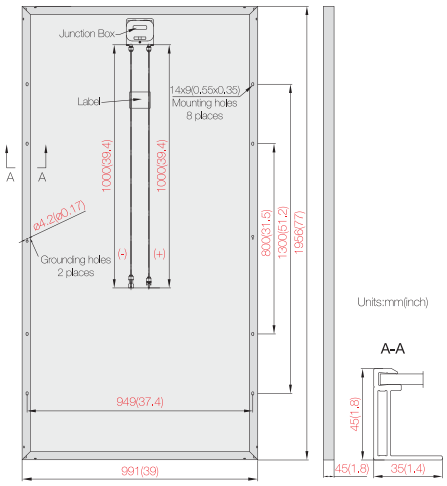
JA SOLAR

JAP6 72/280-320

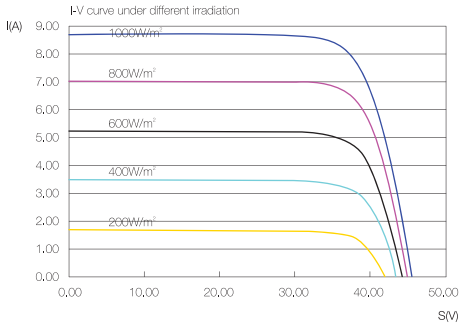
SOLAR PHOTOVOLTAIC MODULE

MAPLE





I-V CURVE



MECHANICAL PARAMETERS

Cell (mm)	Poly 156×156
Weight (kg)	22.5
Dimensions (L×W×H) (mm)	1956×991×45
Cable cross section size (mm^2)	4
No. of cells and connections	72 (6×12)
No. of diodes	3 / 6
Junction Box Connector	MC4 Compatible
Packing configuration	22Pcs. / Carton 22Pallets/40' Container

WORKING CONDITIONS

Maximum System Voltage	DC 1000V (IEC/UL)
Operating Temp.	-40°C~+85°C
Maximum Series Fuse	15 A
Max. static load, front (e.g., snow and wind) Max. static load, back (e.g., wind)	5400Pa (112 lb/ft²) 2400Pa (50 lb/ft²)
NOCT	46±2°C
Application Class	Class A

ELECTRICAL PARAMETERS

TYPE	JAP6-72-280/MP	JAP6-72-285/MP	JAP6-72-290/MP	JAP6-72-295/MP	JAP6-72-300/MP	JAP6-72-305/MP	JAP6-72-310/MP	JAP6-72-315/MP	JAP6-72-320/MP
Rated Maximum Power at STC (W)	280	285	290	295	300	305	310	315	320
Open Circuit Voltage (Voc/V)	45.33	45.42	45.50	45.59	45.67	45.74	45.81	45.90	45.98
Maximum Power Voltage (Vmp/V)	35.81	36.08	36.34	36.56	36.90	37.24	37.58	37.91	38.23
Short Circuit Current (Isc/A)	8.56	8.60	8.64	8.68	8.73	8.77	8.80	8.84	8.89
Maximum Power Current (Imp/A)	7.82	7.90	7.98	8.07	8.13	8.19	8.25	8.31	8.37
Module Efficiency [%]	14.34	14.60	14.85	15.11	15.37	15.62	15.88	16.14	16.39
Power Selection (W)	-0~+5 W								
Temperature Coefficient of Isc (αIsc)	+0.055%/°C								
Temperature Coefficient of Voc (βVoc)	-0.340%/°C								
Temperature Coefficient of Pmax (γPmp)	-0.440%/°C								
STC	Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5								

GUARANTEE

10-year limited product warranty

Limited performance warranty: 10 years at 90% of the minimal rated power output, 25 years at 80% of the minimal rated power output

Intertek

LISTED

Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Specifications subjects to technical changes and tests. JA Solar reserves the right of final interpretation. 04.2012 JA Solar Recycle

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