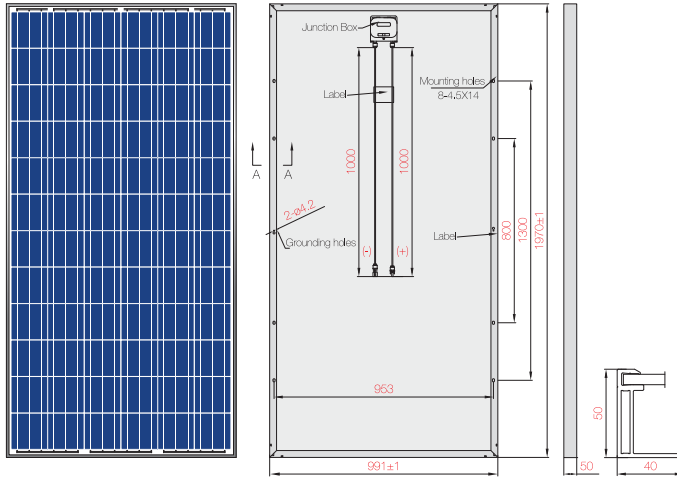
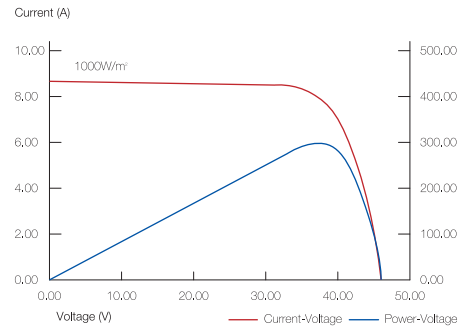


JAP6 72/270-320 SOLAR PHOTOVOLTAIC MODULE



I-V CURVE



MECHANICAL PARAMETERS

Cell(mm)	Quasi-Mono 156×156
Weight(kg)	27.5/22.5(50mm/45mm)
Dimensions(L×W×H)(mm)	1970×991×50(1956*991*45)
Cable Length(mm)	≥1000
Cable cross section size(mm ²)	4
No. of cells and connections	72 (12×6)
No. of diodes	3
Packing configuration	20 Pcs./Pallet

WORKING CONDITIONS

Maximum System Voltage	DC 1000V(TUV)
Operating Temp.	-40°C~+85°C
Maximum Series Fuse	15 A
Max. Wind Load / Max. Snow Load	2400Pa / 5400Pa
Grounding conductivity	<0.1Ω
NOCT	47±2°C
Application Class	Class A
Insulation Resistance	≥100MΩ

ELECTRICAL PARAMETERS

TYPE	JAP6-72-270/MP	JAP6-72-275/MP	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)	270	275	280	285	290	295	300	305	310	315	320
Open Circuit Voltage (Voc/V)	45.16	45.25	45.33	45.42	45.50	45.59	45.67	45.74	45.81	45.90	45.98
Maximum Power Voltage (Vmp/V)	35.29	35.53	35.81	36.08	36.34	36.56	36.90	37.24	37.58	37.91	38.23
Short Circuit Current (Isc/A)	8.47	8.51	8.56	8.60	8.64	8.68	8.73	8.77	8.80	8.84	8.89
Maximum Power Current (Imp/A)	7.65	7.74	7.82	7.90	7.98	8.07	8.13	8.19	8.25	8.31	8.37
Module Efficiency [%]	13.83	14.09	14.34	14.60	14.85	15.11	15.37	15.62	15.88	16.14	16.39
Power Tolerance (W)	0~+5										
Temperature Coefficient of Isc (αIsc)	+0.036%/°C										
Temperature Coefficient of Voc (βVoc)	-0.330%/°C										
Temperature Coefficient of Pmax (γPmp)	-0.470%/°C										

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

Specifications subjects to technical changes and tests. JA Solar reserves the right of final interpretation. 08.2011 JA Solar

