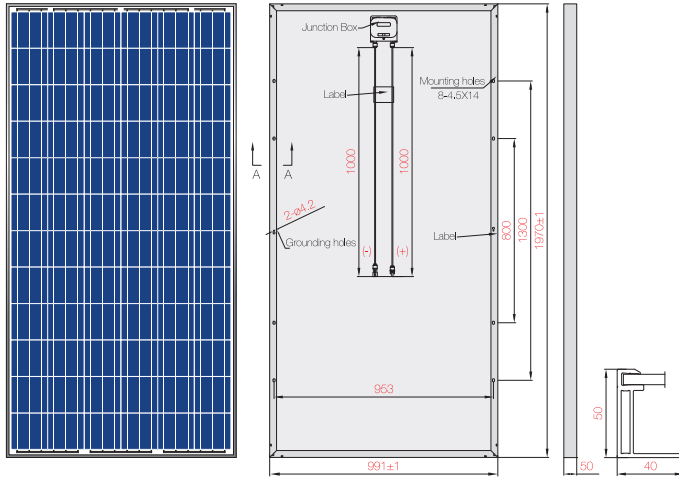
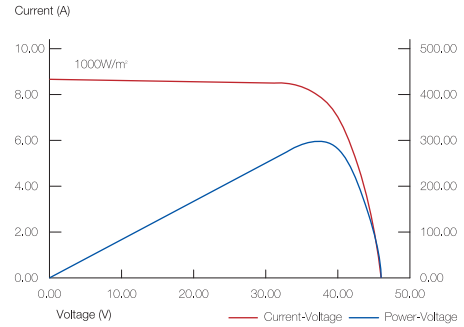


JAP6 72/270-320 SOLAR PHOTOVOLTAIC MODULE



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

