

Mono

380W PERC Half-Cell Module JAM72S03 360-380/PR Series

Introduction

Assembled with high-efficiency PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher output power



Lower temperature coefficient



Less shading effect



Better mechanical loading tolerance

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



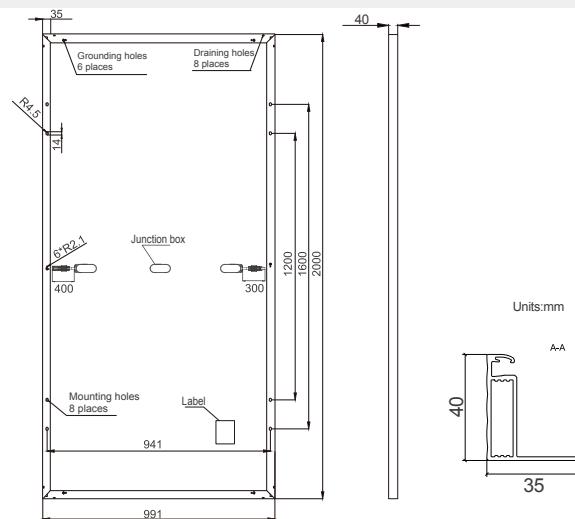
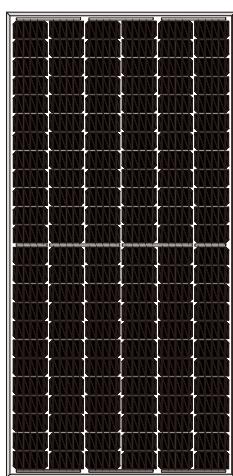
■ JA Linear Power Warranty ■ Industry Warranty

Comprehensive Certificates

- IEC 61215, IEC 61730, IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

SPECIFICATIONS

| | |
|--------------------------|--|
| Cell | Mono |
| Weight | 22.5kg±3% |
| Dimensions | 2000mm×991mm×40mm |
| Cable Cross Section Size | 4mm ² |
| No. of cells | 144 (6×24) |
| Junction Box | IP68, 3 diodes |
| Connector | MC4 Compatible(1000V) QC 4.10-35(1500V) |
| Packaging Configuration | 27 Per Pallet |

ELECTRICAL PARAMETERS AT STC

| TYPE | JAM72S03 -360/PR | JAM72S03 -365/PR | JAM72S03 -370/PR | JAM72S03 -375/PR | JAM72S03 -380/PR |
|---|---|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W] | 360 | 365 | 370 | 375 | 380 |
| Open Circuit Voltage(Voc) [V] | 46.98 | 47.30 | 47.56 | 47.78 | 48.05 |
| Maximum Power Voltage(Vmp) [V] | 38.73 | 39.05 | 39.36 | 39.58 | 39.80 |
| Short Circuit Current(Isc) [A] | 9.87 | 9.92 | 9.97 | 10.03 | 10.09 |
| Maximum Power Current(Imp) [A] | 9.30 | 9.35 | 9.41 | 9.48 | 9.55 |
| Module Efficiency [%] | 18.2 | 18.4 | 18.7 | 18.9 | 19.2 |
| Power Tolerance | 0~+5W | | | | |
| Temperature Coefficient of Isc(α_{Isc}) | +0.051%/°C | | | | |
| Temperature Coefficient of Voc(β_{Voc}) | -0.289%/°C | | | | |
| Temperature Coefficient of Pmax(γ_{Pmp}) | -0.360%/°C | | | | |
| STC | Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G | | | | |

Remark: 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.

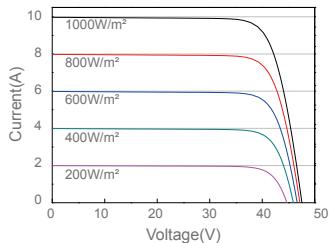
ELECTRICAL PARAMETERS AT NOCT

OPERATING CONDITIONS

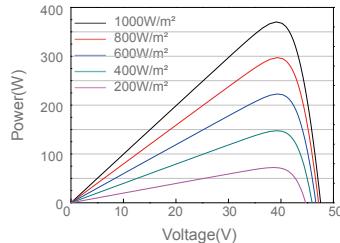
| TYPE | JAM72S03 -360/PR | JAM72S03 -365/PR | JAM72S03 -370/PR | JAM72S03 -375/PR | JAM72S03 -380/PR | Maximum System Voltage | 1000V/1500V DC(IEC) |
|--------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|
| Rated Max Power(Pmax) [W] | 266 | 270 | 274 | 278 | 281 | Operating Temperature | -40°C~+85°C |
| Open Circuit Voltage(Voc) [V] | 43.48 | 43.80 | 44.06 | 44.28 | 44.51 | Maximum Series Fuse | 30A |
| Max Power Voltage(Vmp) [V] | 35.81 | 36.11 | 36.37 | 36.59 | 36.81 | Maximum Static Load,Front | 5400Pa |
| Short Circuit Current(Isc) [A] | 7.90 | 7.94 | 7.98 | 8.02 | 8.08 | Maximum Static Load,Back | 2400Pa |
| Max Power Current(Imp) [A] | 7.44 | 7.48 | 7.53 | 7.58 | 7.64 | NOCT | 45±2°C |
| NOCT | Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G | | | | | Application Class | Class A |

CHARACTERISTICS

Current-Voltage Curve JAM72S03-370/PR



Power-Voltage Curve JAM72S03-370/PR



Current-Voltage Curve JAM72S03-370/PR

