

DEEP BLUE 3.0

Mono

Series



Higher output power



Lower LCOE



Less shading and lower resistive loss

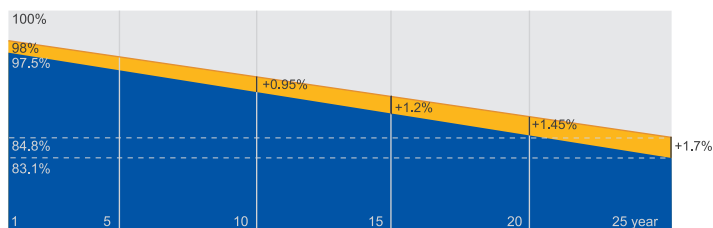


Better mechanical loading tolerance

Superior Warranty

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

0.55% Annual Degradation Over 25 years



■ New linear power warranty ■ Standard module linear power warranty

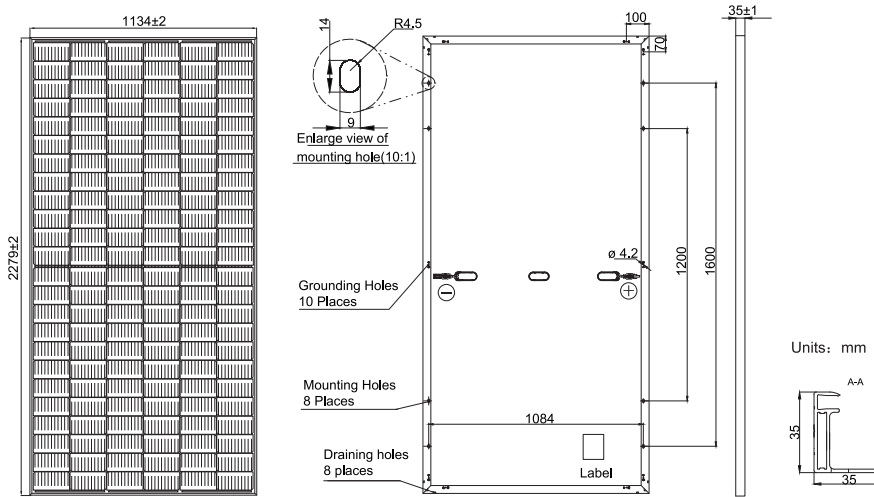
Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 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

SPECIFICATIONS



| | |
|------------------------------------|--|
| Cell | Mono |
| Weight | 28.6kg±3% |
| Dimensions | 2279±2mm×1134±2mm×35±1mm |
| Cable Cross Section Size | 4mm ² (IEC) , 12 AWG(UL) |
| No. of cells | 144(6×24) |
| Junction Box | IP68, 3 diodes |
| Connector | QC 4.10(1000V) QC 4.10-35(1500V) |
| Cable Length (Including Connector) | Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-) |
| Packaging Configuration | 31pcs/Pallet, 620pcs/40ft Container |

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

| TYPE | JAM72S30 -525/MR | JAM72S30 -530/MR | JAM72S30 -535/MR | JAM72S30 -540/MR | JAM72S30 -545/MR | JAM72S30 -550/MR |
|--|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W] | 525 | 530 | 535 | 540 | 545 | 550 |
| Open Circuit Voltage(Voc) [V] | 49.15 | 49.30 | 49.45 | 49.60 | 49.75 | 49.90 |
| Maximum Power Voltage(Vmp) [V] | 41.15 | 41.31 | 41.47 | 41.64 | 41.80 | 41.96 |
| Short Circuit Current(Isc) [A] | 13.65 | 13.72 | 13.79 | 13.86 | 13.93 | 14.00 |
| Maximum Power Current(Imp) [A] | 12.76 | 12.83 | 12.90 | 12.97 | 13.04 | 13.11 |
| Module Efficiency [%] | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 |
| Power Tolerance | 0~+5W | | | | | |
| Temperature Coefficient of Isc(α _{Isc}) | +0.045%/°C | | | | | |
| Temperature Coefficient of Voc(β _{Voc}) | -0.275%/°C | | | | | |
| Temperature Coefficient of Pmax(γ _{Pmp}) | -0.350%/°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.

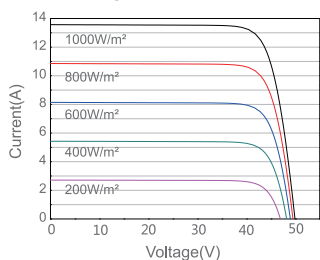
ELECTRICAL PARAMETERS AT NOCT

OPERATING CONDITIONS

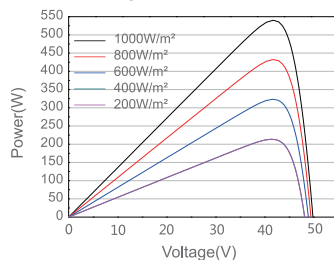
| TYPE | JAM72S30 -525/MR | JAM72S30 -530/MR | JAM72S30 -535/MR | JAM72S30 -540/MR | JAM72S30 -545/MR | JAM72S30 -550/MR | Operating Conditions |
|--------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|--|
| Rated Max Power(Pmax) [W] | 397 | 401 | 405 | 408 | 412 | 416 | Maximum System Voltage 1000V/1500V DC |
| Open Circuit Voltage(Voc) [V] | 46.05 | 46.18 | 46.31 | 46.43 | 46.55 | 46.68 | Operating Temperature -40°C~+85°C |
| Max Power Voltage(Vmp) [V] | 38.36 | 38.57 | 38.78 | 38.99 | 39.20 | 39.43 | Maximum Series Fuse Rating 25A |
| Short Circuit Current(Isc) [A] | 10.97 | 11.01 | 11.05 | 11.09 | 11.13 | 11.17 | Maximum Static Load,Front* 5400Pa(112lb/ft ²) Maximum Static Load,Back* 2400Pa(50lb/ft ²) |
| Max Power Current(Imp) [A] | 10.35 | 10.39 | 10.43 | 10.47 | 10.51 | 10.55 | NOCT 45±2°C |
| NOCT | Irradiance 800W/m ² , ambient temperature 20°C,wind speed 1m/s, AM1.5G | | | | | | Safety Class Class II |
| | | | | | | | Fire Performance UL Type 1 |

CHARACTERISTICS

Current-Voltage Curve JAM72S30-540/MR



Power-Voltage Curve JAM72S30-540/MR



Current-Voltage Curve JAM72S30-540/MR

