

560W MBB **MR** Series



Higher output power



Lower LCOE



Less shading and lower resistive loss



Better mechanical loading tolerance



12-year product warranty



25-year linear power output warranty

Half-cell Module JAM72S30 MR **535-560**

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 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



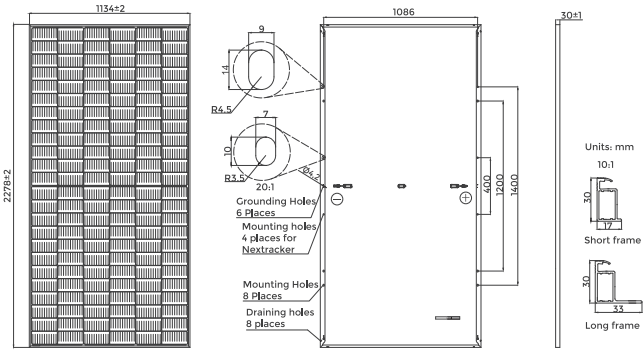


560W MBB

535-560

JAM72S30

MR
 Series



Remark: customized frame color and cable length available upon request

| | |
|------------------------------------|--|
| Cell | Mono |
| Weight | 27.3kg |
| Dimensions | 2278±2mm×1134±2mm×30±1mm |
| Cable Cross Section Size | 4mm ² (IEC), 12 AWG(UL) |
| No. of cells | 144(6x24) |
| Junction Box | IP68, 3 diodes |
| Connector | QC 4.10-351/ MC4-EVO2A |
| Cable Length (Including Connector) | Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-) |
| Packaging Configuration | 36pcs/Pallet, 720pcs/40ft Container |

ELECTRICAL PARAMETERS AT STC

| TYPE | JAM72S30 -535/MR | JAM72S30 -540/MR | JAM72S30 -545/MR | JAM72S30 -550/MR | JAM72S30 -555/MR | JAM72S30 -560/MR |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W] | 535 | 540 | 545 | 550 | 555 | 560 |
| Open Circuit Voltage(Voc) [V] | 49.45 | 49.60 | 49.75 | 49.90 | 50.02 | 50.15 |
| Maximum Power Voltage(Vmp) [V] | 41.47 | 41.64 | 41.80 | 41.96 | 42.11 | 42.27 |
| Short Circuit Current(Isc) [A] | 13.79 | 13.86 | 13.93 | 14.00 | 14.07 | 14.14 |
| Maximum Power Current(Imp) [A] | 12.90 | 12.97 | 13.04 | 13.11 | 13.18 | 13.25 |
| Module Efficiency [%] | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.9 |
| 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

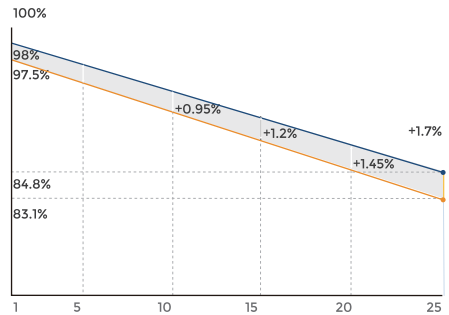
| TYPE | JAM72S30 -535/MR | JAM72S30 -540/MR | JAM72S30 -545/MR | JAM72S30 -550/MR | JAM72S30 -555/MR | JAM72S30 -560/MR |
|--------------------------------|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W] | 405 | 408 | 412 | 416 | 420 | 424 |
| Open Circuit Voltage(Voc) [V] | 46.31 | 46.43 | 46.55 | 46.68 | 46.85 | 46.99 |
| Max Power Voltage(Vmp) [V] | 38.78 | 38.99 | 39.20 | 39.43 | 39.66 | 39.85 |
| Short Circuit Current(Isc) [A] | 11.05 | 11.09 | 11.13 | 11.17 | 11.21 | 11.26 |
| Max Power Current(Imp) [A] | 10.43 | 10.47 | 10.51 | 10.55 | 10.59 | 10.64 |
| NOCT | Irradiance 800W/m ² , ambient temperature 20 °C, wind speed 1m/s, AM1.5G | | | | | |

*For Nexttracker installations, maximum static load please take compatibility approve letter between JA Solar and Nexttracker for reference.

CHARACTERISTICS

SUPERIOR WARRANTY

0.55% Annual Degradation Over 25 years

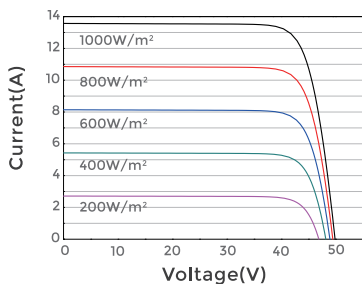


- New linear power warranty
- Standard module linear power warranty

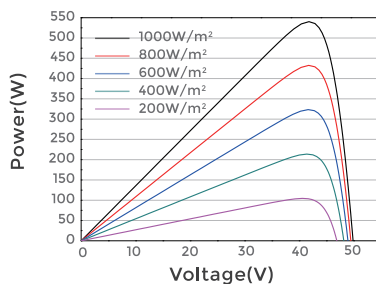
OPERATING CONDITIONS

| | |
|----------------------------|--------------------------------|
| Maximum System Voltage | 1000V/1500V DC |
| Operating Temperature | -40°C~+85°C |
| Maximum Series Fuse Rating | 25A |
| Maximum Static Load,Front* | 5400Pa(112lb/ft ²) |
| Maximum Static Load,Back* | 2400Pa(50lb/ft ²) |
| NOCT | 45±2°C |
| Safety Class | Class II |
| Fire Performance | UL Type 1 |

Current-Voltage Curve **JAM72S30-540/MR**



Power-Voltage Curve **JAM72S30-540/MR**



Current-Voltage Curve **JAM72S30-540/MR**

