JA SOLAR | DEEP BLUE 4.0

Version No. : AUS-EN-20230801A

# 570W MB Series



- Higher power generation better LCOE
- n-type with low LID
- Better low irradiancen response
- Better temperature coefficient

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

## n-type Bifacial Double Glass High Efficiency Mono Module JAM72D40 MB/1500V

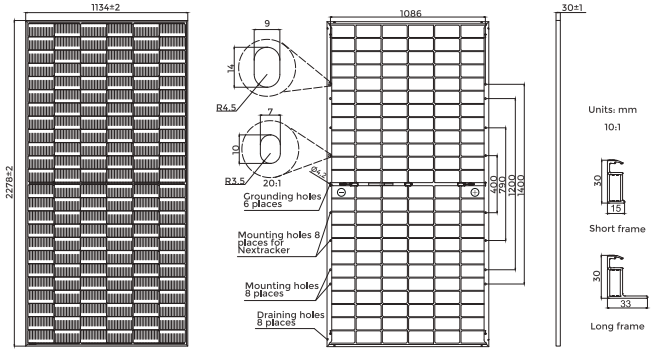
# 555-580

## Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems

# 555-580 MB Series

JAM72D40




Remark: customized frame color and cable length available upon request

| | |
|---|---|
| Cell | Mono-16BB |
| Weight | 31.8kg |
| Dimensions | 2278±2mm×1134±2mm×30±1mm |
| Cable Cross Section Size | 4mm² (IEC), 12 AWG(UL) |
| No. of cells | 144(6×24) |
| Junction Box | IP68, 3 diodes |
| Connector | Stäubli MC4-EVO2A<br>QC Solar QC 4.10-351 |
| Cable Length (Including Connector) | Portrait: 300mm(+)/400mm(-);<br>800mm(+)/800mm(-)(Leapfrog)<br>Landscape: 1300mm(+)/1300mm(-) |
| Front Glass/Back Glass | 2.0mm/2.0mm |
| Country of Manufacturer | China/Vietnam |

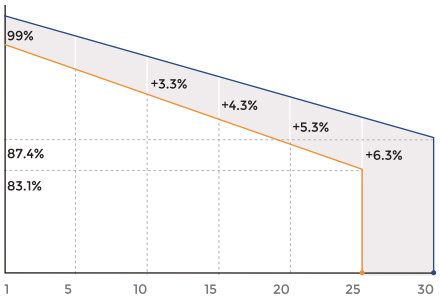
## ELECTRICAL PARAMETERS AT STC

| TYPE | JAM72D40-555/MB/1500V | JAM72D40-560/MB/1500V | JAM72D40-565/MB/1500V | JAM72D40-570/MB/1500V | JAM72D40-575/MB/1500V | JAM72D40-580/MB/1500V |
|---|---|---|---|---|---|---|
| Rated Maximum Power(Pmax) [W] | 555 | 560 | 565 | 570 | 575 | 580 |
| Open Circuit Voltage(Voc) [V] | 50.85 | 51.08 | 51.30 | 51.52 | 51.73 | 51.95 |
| Maximum Power Voltage(Vmp) [V] | 43.00 | 43.21 | 43.42 | 43.62 | 43.82 | 44.02 |
| Short Circuit Current(Isc) [A] | 13.59 | 13.64 | 13.69 | 13.74 | 13.79 | 13.84 |
| Maximum Power Current(Imp) [A] | 12.91 | 12.96 | 13.01 | 13.07 | 13.12 | 13.17 |
| Module Efficiency [%] | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 |
| Power Tolerance | 0~+5W | | | | | |
| Temperature Coefficient of Isc(α_Isc) | +0.046%/°C | | | | | |
| Temperature Coefficient of Voc(β_Voc) | -0.260%/°C | | | | | |
| Temperature Coefficient of Pmax(γ_Pmp) | -0.300%/°C | | | | | |
| STC | Irradiance 1000W/m², 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.
Measurement tolerance at STC: Pmax ±3%, Voc ±3% and Isc ±5%.

## SUPERIOR WARRANTY

1% 1st-year Degradation
0.4% Annual Degradation Over 30 years




- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE | JAM72D40-555/MB/1500V | JAM72D40-560/MB/1500V | JAM72D40-565/MB/1500V | JAM72D40-570/MB/1500V | JAM72D40-575/MB/1500V | JAM72D40-580/MB/1500V |
|---|---|---|---|---|---|---|
| Rated Max Power(Pmax) [W] | 599 | 605 | 610 | 616 | 621 | 626 |
| Open Circuit Voltage(Voc) [V] | 50.58 | 51.08 | 51.30 | 51.52 | 51.73 | 51.95 |
| Max Power Voltage(Vmp) [V] | 43.00 | 43.21 | 43.42 | 43.62 | 43.82 | 44.02 |
| Short Circuit Current(Isc) [A] | 14.68 | 14.73 | 14.79 | 14.84 | 14.89 | 14.95 |
| Max Power Current(Imp) [A] | 13.94 | 14.00 | 14.05 | 14.11 | 14.17 | 14.23 |
| Irradiation Ratio (rear/front) | 10% | | | | | |

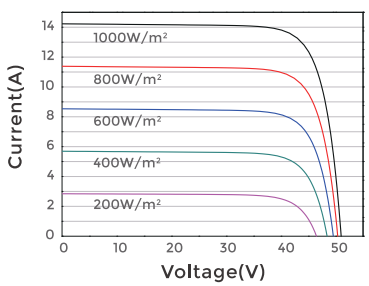
*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.
**Bifaciality=Pmax,rear/Rated Pmax,front

## OPERATING CONDITIONS

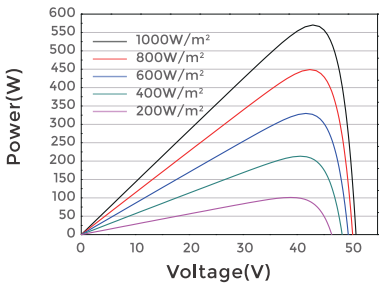
| | |
|---|---|
| Maximum System Voltage | 1500V DC |
| Operating Temperature | -40°C~+85°C |
| Maximum Series Fuse Rating | 30A |
| Maximum Static Load,Front* | 3600Pa, 1.5 |
| Maximum Static Load,Back* | 1600Pa, 1.5 |
| NOCT | 45±2°C |
| Bifaciality** | 80%±10% |
| Fire Safety Class | Class C |

## CHARACTERISTICS

Current-Voltage Curve **JAM72D40-570/MB/1500V**




Power-Voltage Curve **JAM72D40-570/MB/1500V**




Current-Voltage Curve **JAM72D40-570/MB/1500V**

