

600W **LB**
Series



Higher power generation better LCOE



n-type with very Lower LID



Better Temperature Coefficient



Better low irradiance response



12-year product warranty



30-year linear power output warranty

**n-type Bifacial Double Glass
High Efficiency Mono Module
JAM72D40 LB**

575-600

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

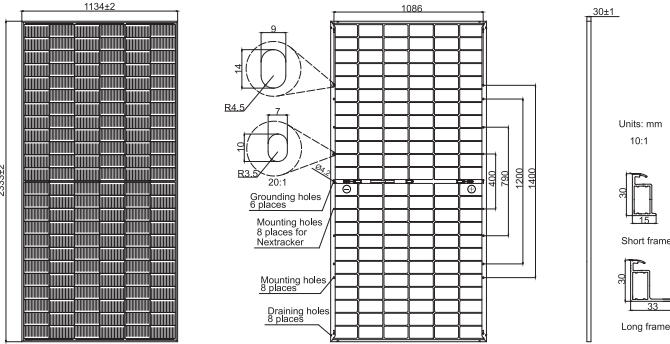




600W

575-600 JAM72D40

LB
Series



Remark: customized frame color and cable length available upon request

| | |
|------------------------------------|---|
| Cell | Mono-16BB |
| Weight | 32.5kg |
| Dimensions | 2333±2mm×1134±2mm×30±1mm |
| Cable Cross Section Size | 4mm ² (IEC), 12 AWG(UL) |
| No. of cells | 144(6×24) |
| Junction Box | IP68, 3 diodes |
| Connector | QC 4.10-351/ MC4-EVO2A |
| Cable Length (Including Connector) | Portrait: 300mm(+)/400mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1400mm(+)/1400mm(-) |
| Front Glass/Back Glass | 2.0mm/2.0mm |
| Packaging Configuration | 36pcs/Pallet, 720pcs/40HQ Container |

ELECTRICAL PARAMETERS AT STC

| TYPE | JAM72D40 -575/LB | JAM72D40 -580/LB | JAM72D40 -585/LB | JAM72D40 -590/LB | JAM72D40 -595/LB | JAM72D40 -600/LB |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W] | 575 | 580 | 585 | 590 | 595 | 600 |
| Open Circuit Voltage(Voc) [V] | 51.40 | 51.60 | 51.80 | 52.00 | 52.20 | 52.40 |
| Maximum Power Voltage(Vmp) [V] | 42.88 | 43.06 | 43.24 | 43.41 | 43.59 | 43.76 |
| Short Circuit Current(Isc) [A] | 14.16 | 14.23 | 14.29 | 14.35 | 14.42 | 14.48 |
| Maximum Power Current(Imp) [A] | 13.41 | 13.47 | 13.53 | 13.59 | 13.65 | 13.71 |
| Module Efficiency [%] | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 22.7 |
| 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/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.

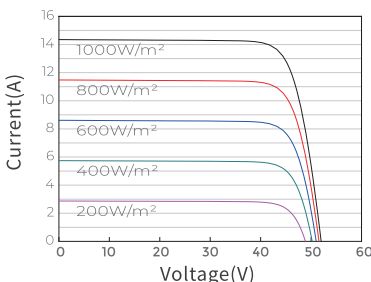
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE | JAM72D40 -575/LB | JAM72D40 -580/LB | JAM72D40 -585/LB | JAM72D40 -590/LB | JAM72D40 -595/LB | JAM72D40 -600/LB |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W] | 621 | 626 | 632 | 637 | 643 | 648 |
| Open Circuit Voltage(Voc) [V] | 51.40 | 51.60 | 51.80 | 52.00 | 52.20 | 52.40 |
| Max Power Voltage(Vmp) [V] | 42.88 | 43.06 | 43.24 | 43.41 | 43.59 | 43.76 |
| Short Circuit Current(Isc) [A] | 15.30 | 15.36 | 15.43 | 15.50 | 15.57 | 15.64 |
| Max Power Current(Imp) [A] | 14.48 | 14.55 | 14.61 | 14.68 | 14.74 | 14.81 |
| Irradiation Ratio (rear/front) | 10% | | | | | |

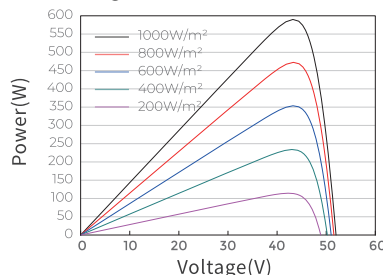
*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.
**Bifaciality=Pmax,rear/Rated Pmax,front

CHARACTERISTICS

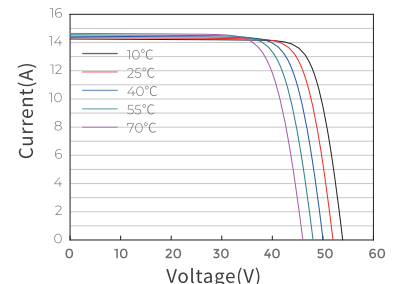
Current-Voltage Curve JAM72D40-590/LB



Power-Voltage Curve JAM72D40-590/LB

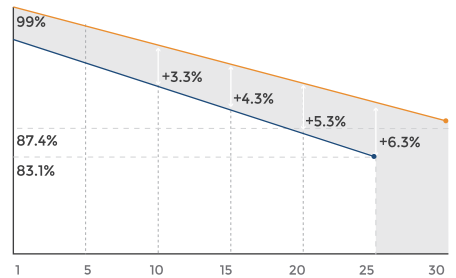


Current-Voltage Curve JAM72D40-590/LB



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

OPERATING CONDITIONS

| | |
|-----------------------------|----------------------------------|
| Maximum System Voltage | 1500V DC |
| Operating Temperature | -40 °C ~ +85 °C |
| Maximum Series Fuse Rating | 30A |
| Maximum Static Load, Front* | 5400Pa (112 lb/ft ²) |
| Maximum Static Load, Back* | 2400Pa (50 lb/ft ²) |
| NOCT | 45±2 °C |
| Bifaciality** | 80%±10% |
| Fire Performance | UL Type 29 |