

**570W** 

Higher power generation better LCOE



n-type with low LID



Better low irradiance 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**

**565-590**

### Comprehensive Certificates

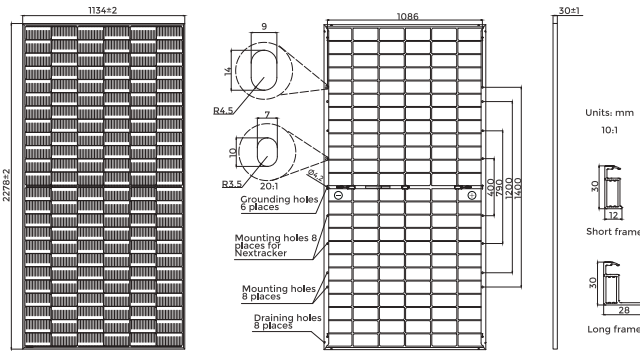
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems





**565-590**  
 JAM72D40

**MB**  
 Series



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	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, 3 diodes
Connector	Stäubli MC4-EVO2A/MC4-EVO2 QC Solar QC 4.10-351/QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); 800mm(+)/800mm(-)(Leapfrog) Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Country of Manufacturer	China/Vietnam

**ELECTRICAL PARAMETERS AT STC**

TYPE	JAM72D40-565/MB/1500V	JAM72D40-570/MB/1500V	JAM72D40-575/MB/1500V	JAM72D40-580/MB/1500V	JAM72D40-585/MB/1500V	JAM72D40-590/MB/1500V
Rated Maximum Power(Pmax) [W]	565	570	575	580	585	590
Open Circuit Voltage(Voc) [V]	51.30	51.52	51.73	51.95	52.16	52.37
Maximum Power Voltage(Vmp) [V]	43.42	43.62	43.82	44.02	44.22	44.43
Short Circuit Current(Isc) [A]	13.69	13.74	13.79	13.84	13.89	13.94
Maximum Power Current(Imp) [A]	13.01	13.07	13.12	13.17	13.23	13.28
Module Efficiency [%]	21.9	22.1	22.3	22.5	22.6	22.8
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.046%/°C					
Temperature Coefficient of Voc(β <sub>Voc</sub> )	-0.260%/°C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.300%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , 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%.

**ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO**

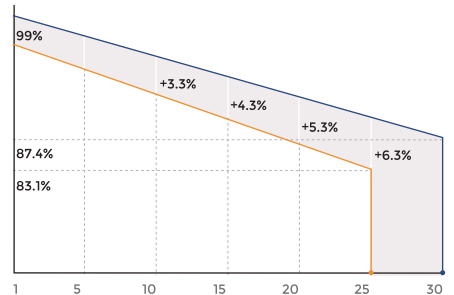
TYPE	JAM72D40-565/MB/1500V	JAM72D40-570/MB/1500V	JAM72D40-575/MB/1500V	JAM72D40-580/MB/1500V	JAM72D40-585/MB/1500V	JAM72D40-590/MB/1500V
Rated Max Power(Pmax) [W]	610	616	621	626	632	637
Open Circuit Voltage(Voc) [V]	51.30	51.52	51.73	51.95	52.16	52.37
Max Power Voltage(Vmp) [V]	43.42	43.62	43.82	44.02	44.22	44.43
Short Circuit Current(Isc) [A]	14.79	14.84	14.89	14.95	15.00	15.06
Max Power Current(Imp) [A]	14.05	14.11	14.17	14.23	14.29	14.34
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**

**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*	3600Pa, 1.5
Maximum Static Load, Back*	1600Pa, 1.5
NOCT	45±2°C
Bifaciality**	80%±10%
Fire Safety Class	Class C

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

