





**595W** **GB**  
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 GB**

**570-595**

**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



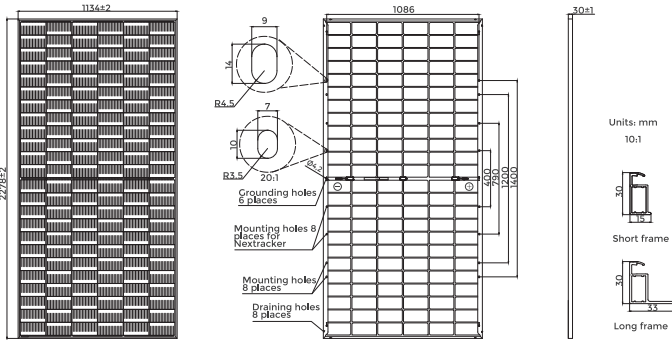


# 595W

## 570-595

JAM72D40

**GB**  
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	QC 4.10-35I/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

### ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D40 -570/GB	JAM72D40 -575/GB	JAM72D40 -580/GB	JAM72D40 -585/GB	JAM72D40 -590/GB	JAM72D40 -595/GB
Rated Maximum Power(Pmax) [W]	570	575	580	585	590	595
Open Circuit Voltage(Voc) [V]	51.52	51.73	51.95	52.16	52.37	52.58
Maximum Power Voltage(Vmp) [V]	43.62	43.82	44.02	44.22	44.43	44.64
Short Circuit Current(Isc) [A]	13.74	13.79	13.84	13.89	13.94	13.99
Maximum Power Current(Imp) [A]	13.07	13.12	13.17	13.23	13.28	13.33
Module Efficiency [%]	22.1	22.3	22.5	22.6	22.8	23.0
Power Tolerance	0~+3%					
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> )	-0.290%/ 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.

### ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

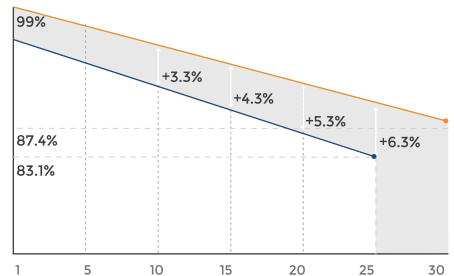
TYPE	JAM72D40 -570/GB	JAM72D40 -575/GB	JAM72D40 -580/GB	JAM72D40 -585/GB	JAM72D40 -590/GB	JAM72D40 -595/GB
Rated Max Power(Pmax) [W]	616	621	626	632	637	643
Open Circuit Voltage(Voc) [V]	51.52	51.73	51.95	52.16	52.37	52.58
Max Power Voltage(Vmp) [V]	43.62	43.82	44.02	44.22	44.43	44.64
Short Circuit Current(Isc) [A]	14.84	14.89	14.95	15.00	15.06	15.11
Max Power Current(Imp) [A]	14.11	14.17	14.23	14.29	14.34	14.40
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

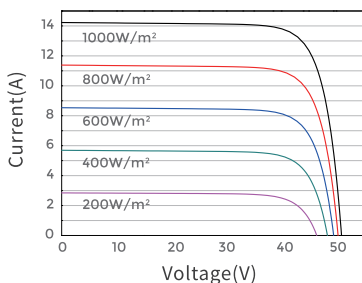


- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

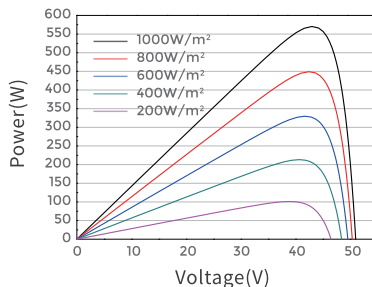
### OPERATING CONDITIONS

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

Current-Voltage Curve JAM72D40-570/GB



Power-Voltage Curve JAM72D40-570/GB



Current-Voltage Curve JAM72D40-570/GB

