

**615W** **LB**  
Series

Higher power generation better LCOE



n-type with very low 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 JAM72D42 LB/1500V

# 610-635

### Comprehensive Certificates

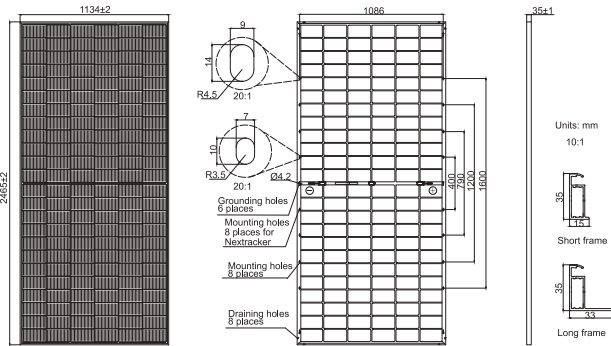
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems





# 610-635

JAM72D42



Remark: customized frame color and cable length available upon request

Cell	Mono-16BB
Weight	34.6kg
Dimensions	2465±2mm×1134±2mm×35±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: 1500mm(+)/1500mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Country of Manufacturer	China/Vietnam

## ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D42- 610/LB/1500V	JAM72D42- 615/LB/1500V	JAM72D42- 620/LB/1500V	JAM72D42- 625/LB/1500V	JAM72D42- 630/LB/1500V	JAM72D42- 635/LB/1500V
Rated Maximum Power(Pmax) [W]	610	615	620	625	630	635
Open Circuit Voltage(Voc) [V]	51.67	51.87	52.07	52.27	52.47	52.67
Maximum Power Voltage(Vmp) [V]	43.11	43.31	43.51	43.71	43.90	44.10
Short Circuit Current(Isc) [A]	15.01	15.06	15.11	15.16	15.21	15.26
Maximum Power Current(Imp) [A]	14.15	14.20	14.25	14.30	14.35	14.40
Module Efficiency [%]	21.8	22.0	22.2	22.4	22.5	22.7
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

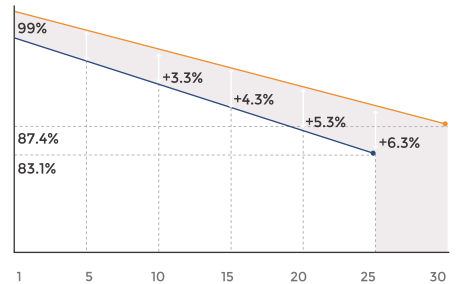
TYPE	JAM72D42- 610/LB/1500V	JAM72D42- 615/LB/1500V	JAM72D42- 620/LB/1500V	JAM72D42- 625/LB/1500V	JAM72D42- 630/LB/1500V	JAM72D42- 635/LB/1500V
Rated Max Power(Pmax) [W]	659	664	670	675	680	686
Open Circuit Voltage(Voc) [V]	51.67	51.87	52.07	52.27	52.47	52.67
Max Power Voltage(Vmp) [V]	43.11	43.31	43.51	43.71	43.90	44.10
Short Circuit Current(Isc) [A]	16.21	16.26	16.32	16.37	16.43	16.48
Max Power Current(Imp) [A]	15.28	15.34	15.39	15.44	15.50	15.55
Irradiation Ratio (rear/front)	10%					

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

## CHARACTERISTICS

## Superior Warranty

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

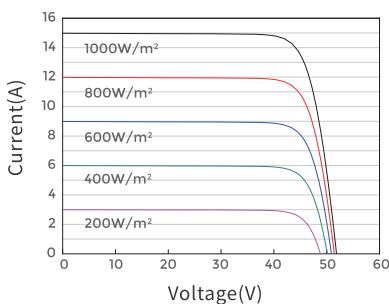


- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

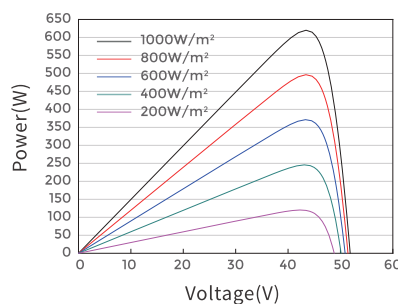
## OPERATING CONDITIONS

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 JAM72D42-620/LB/1500V



Power-Voltage Curve JAM72D42-620/LB/1500V



Current-Voltage Curve JAM72D42-620/LB/1500V

