

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**

605-630

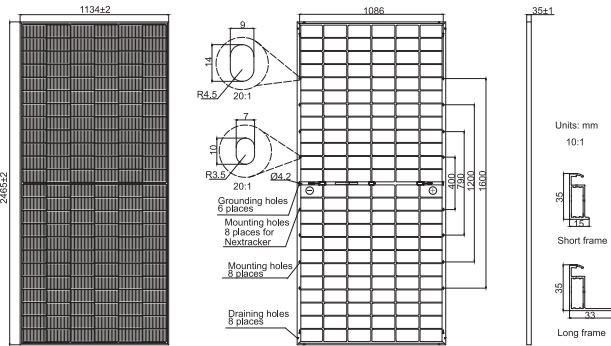
Comprehensive Certificates

- 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





605-630
 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 ² (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	JAM72D42-605/LB/1500V	JAM72D42-610/LB/1500V	JAM72D42-615/LB/1500V	JAM72D42-620/LB/1500V	JAM72D42-625/LB/1500V	JAM72D42-630/LB/1500V
Rated Maximum Power(Pmax) [W]	605	610	615	620	625	630
Open Circuit Voltage(Voc) [V]	51.47	51.67	51.87	52.07	52.27	52.47
Maximum Power Voltage(Vmp) [V]	42.91	43.11	43.31	43.51	43.71	43.90
Short Circuit Current(Isc) [A]	14.96	15.01	15.06	15.11	15.16	15.21
Maximum Power Current(Imp) [A]	14.10	14.15	14.20	14.25	14.30	14.35
Module Efficiency [%]	21.6	21.8	22.0	22.2	22.4	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/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.
 Measurement tolerance at STC: Pmax ±3%, Voc ±3% and Isc ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

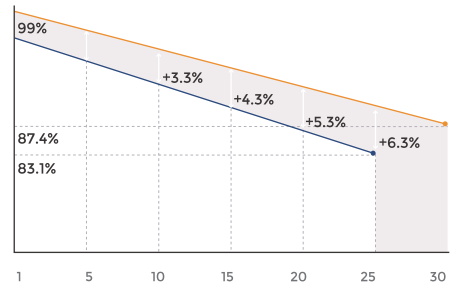
TYPE	JAM72D42-605/LB/1500V	JAM72D42-610/LB/1500V	JAM72D42-615/LB/1500V	JAM72D42-620/LB/1500V	JAM72D42-625/LB/1500V	JAM72D42-630/LB/1500V
Rated Max Power(Pmax) [W]	653	659	664	670	675	680
Open Circuit Voltage(Voc) [V]	51.47	51.67	51.87	52.07	52.27	52.47
Max Power Voltage(Vmp) [V]	42.91	43.11	43.31	43.51	43.71	43.90
Short Circuit Current(Isc) [A]	16.16	16.21	16.26	16.32	16.37	16.43
Max Power Current(Imp) [A]	15.23	15.28	15.34	15.39	15.44	15.50
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

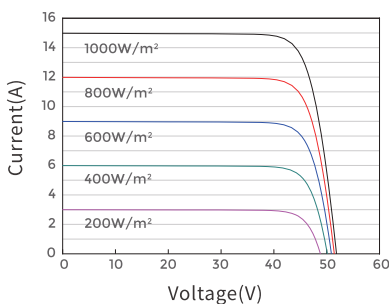


- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

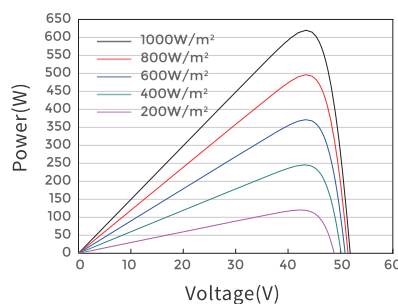
OPERATING CONDITIONS

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

