

580W MBB

LB
Series

Higher output power



Lower temperature coefficient



More reliable, more stable power generation



Less shading effect



12-year product warranty



30-year linear power output warranty

Bifacial Mono PERC Half-cell Double Glass Module JAM72D30 LB 555-580

Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 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

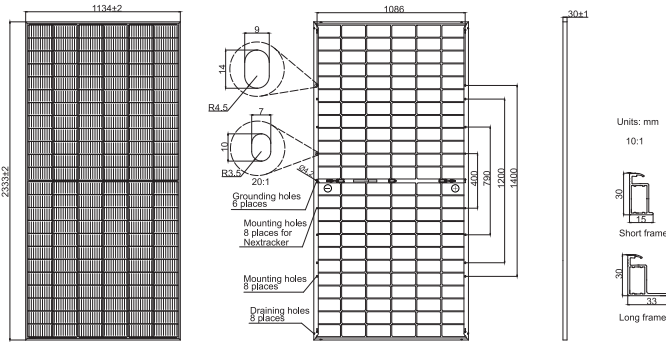




580W

555-580
JAM72D30

LB
Series



Remark: customized frame color and cable length available upon request

Cell	Mono
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	JAM72D30 -555/LB	JAM72D30 -560/LB	JAM72D30 -565/LB	JAM72D30 -570/LB	JAM72D30 -575/LB	JAM72D30 -580/LB
Rated Maximum Power(Pmax) [W]	555	560	565	570	575	580
Open Circuit Voltage(Voc) [V]	49.41	49.59	49.77	49.95	50.13	50.31
Maximum Power Voltage(Vmp) [V]	41.29	41.49	41.68	41.87	42.05	42.24
Short Circuit Current(Isc) [A]	14.19	14.25	14.31	14.37	14.44	14.50
Maximum Power Current(Imp) [A]	13.44	13.50	13.56	13.62	13.67	13.73
Module Efficiency [%]	21.0	21.2	21.4	21.5	21.7	21.9
Power Tolerance	0~+5W					
Temperature Coefficient of Isc(α _{Isc})	+0.045%/ C					
Temperature Coefficient of Voc(β _{Voc})	-0.275%/ C					
Temperature Coefficient of Pmax(γ _{Pmp})	-0.350%/ 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.

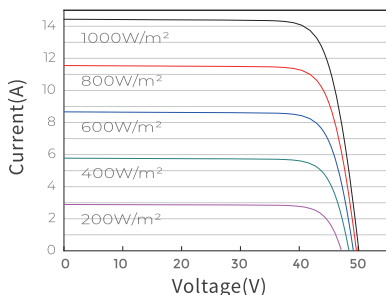
ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D30 -555/LB	JAM72D30 -560/LB	JAM72D30 -565/LB	JAM72D30 -570/LB	JAM72D30 -575/LB	JAM72D30 -580/LB
Rated Max Power(Pmax) [W]	594	599	605	610	615	621
Open Circuit Voltage(Voc) [V]	49.41	49.59	49.77	49.95	50.13	50.31
Max Power Voltage(Vmp) [V]	41.29	41.49	41.68	41.87	42.05	42.24
Short Circuit Current(Isc) [A]	15.18	15.25	15.32	15.38	15.45	15.51
Max Power Current(Imp) [A]	14.38	14.44	14.51	14.57	14.63	14.69
NOCT	10%					

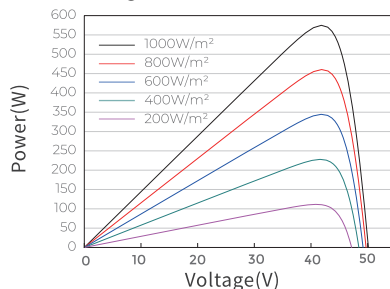
*For NextTracker installations, maximum static load please take compatibility approve letter between JA Solar and NextTracker for reference.
**Bifaciality=Pmax,rear/Rated Pmax,front

CHARACTERISTICS

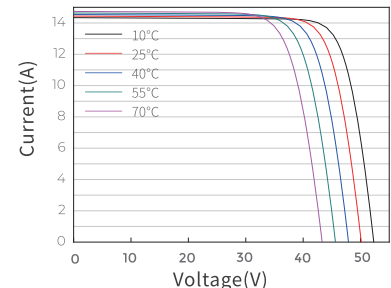
Current-Voltage Curve JAM72D30-575/LB



Power-Voltage Curve JAM72D30-575/LB

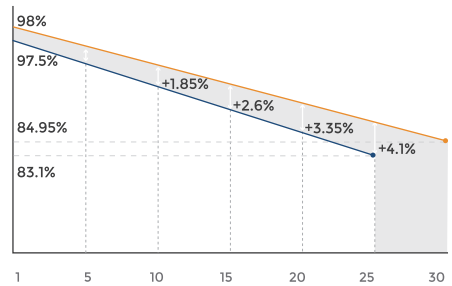


Current-Voltage Curve JAM72D30-575/LB



Superior Warranty

0.45% Annual Degradation Over 30 years



- Bifacial double glass module linear power warranty
- Standard module linear power 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**	70%±10%
Fire Performance	UL Type 29