

# Harvest the Sunshine

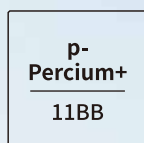
# JA SOLAR

# 580W



## JAM72D30 LB p-type Double Glass Bifacial Modules

### Premium Cells



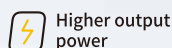
MBB Half-Cell Technology

# 24%



Cell Conversion Efficiency

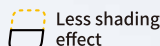
### Premium Modules



Higher output power



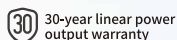
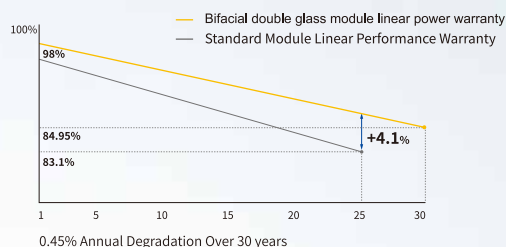
More reliable, more stable power generation



Less shading effect



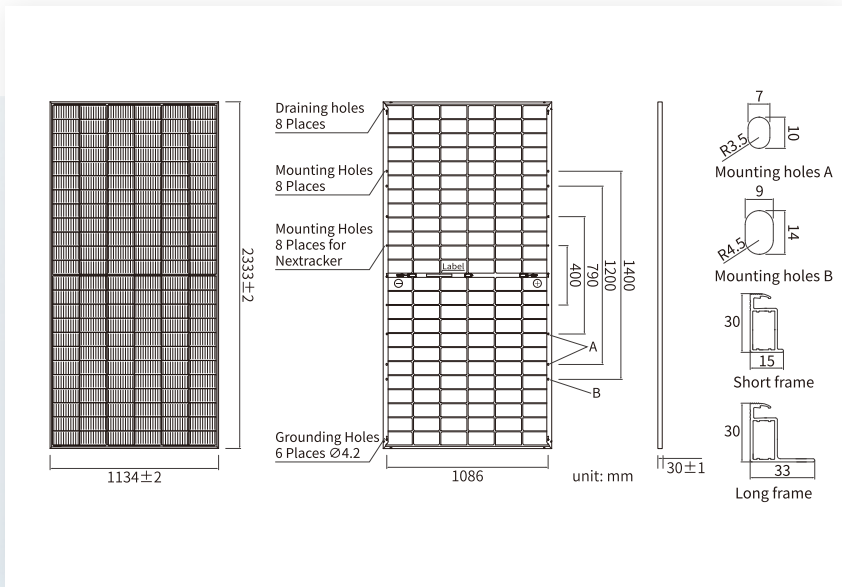
Lower temperature coefficient



### 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





### MECHANICAL PARAMETERS

Cell	Mono
Weight	32.5kg
Dimensions	2333±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, 3diodes
Connector	QC 4.10-351/MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

Remark: customized frame color and cable length available upon request

### 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]	50.14	50.32	50.50	50.68	50.86	51.04
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~+3%					
Temperature Coefficient of Isc(α <sub>Isc</sub> )	+0.045%/°C					
Temperature Coefficient of Voc (β <sub>Voc</sub> )	-0.275%/°C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )	-0.350%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G					

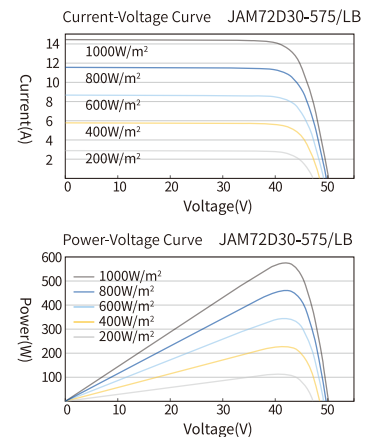
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

### ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	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]	50.14	50.32	50.50	50.68	50.86	51.04
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
Irradiation Ratio (rear/front)	10%					

\* For NextTracker installations, maximum static load please take compatibility approve letter between JA Solar and NextTracker for reference.

### CHARACTERISTICS



### 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	70%±10%
Safety Class	Class II
Fire Performance	UL Type 29/Class C