

# Harvest the Sunshine

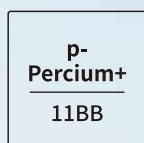
# JA SOLAR

# 560W



## JAM72D30 MB p-type Double Glass Bifacial Modules

### Premium Cells



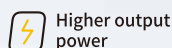
MBB Half-Cell Technology

# 24%



Cell Conversion Efficiency

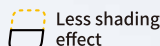
### Premium Modules



Higher output power



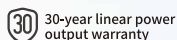
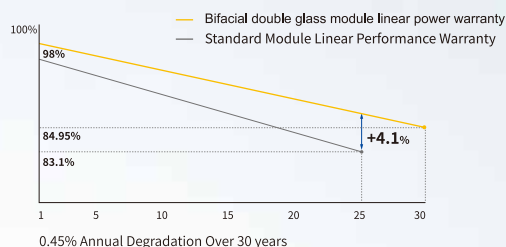
More reliable, more stable power generation



Less shading effect



Lower temperature coefficient

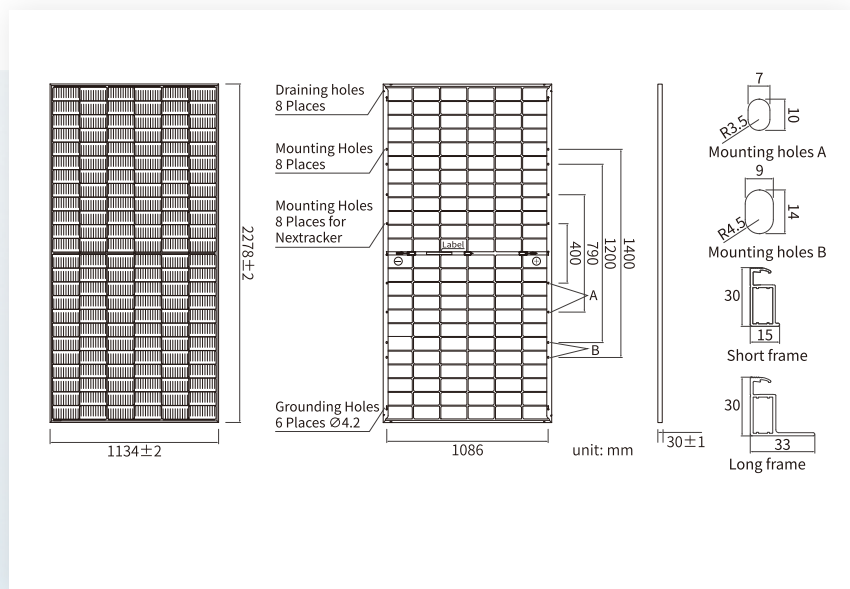


### Comprehensive Certificates

- 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



## DEEP BLUE 3.0



## MECHANICAL PARAMETERS

Cell	Mono
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, 3diodes
Connector	QC 4.10-351/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

Remark: customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC

TYPE	JAM72D30 -535/MB	JAM72D30 -540/MB	JAM72D30 -545/MB	JAM72D30 -550/MB	JAM72D30 -555/MB	JAM72D30 -560/MB
Rated Maximum Power(Pmax) [W]	535	540	545	550	555	560
Open Circuit Voltage (Voc) [V]	49.45	49.60	49.75	49.90	50.02	50.15
Maximum Power Voltage(Vmp) [V]	41.47	41.64	41.80	41.96	42.11	42.27
Short Circuit Current(Isc) [A]	13.79	13.86	13.93	14.00	14.07	14.14
Maximum Power Current(Imp) [A]	12.90	12.97	13.04	13.11	13.18	13.25
Module Efficiency [%]	20.7	20.9	21.1	21.3	21.5	21.7
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					

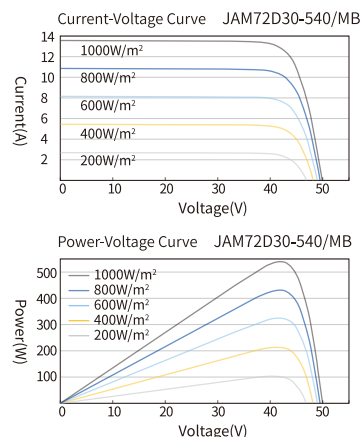
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM72D30 -535/MB	JAM72D30 -540/MB	JAM72D30 -545/MB	JAM72D30 -550/MB	JAM72D30 -555/MB	JAM72D30 -560/MB
Rated Max Power(Pmax) [W]	405	408	412	416	420	424
Open Circuit Voltage(Voc) [V]	46.31	46.43	46.55	46.68	46.85	46.99
Max Power Voltage(Vmp) [V]	38.78	38.99	39.20	39.43	39.66	39.85
Short Circuit Current(Isc) [A]	11.05	11.09	11.13	11.17	11.21	11.26
Max Power Current(Imp) [A]	10.43	10.47	10.51	10.55	10.59	10.64
Irradiation Ratio (rear/front)	10%					

\* For Nextacker installations, maximum static load please take compatibility approve letter between JA Solar and Nextacker 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