

# Harvest the Sunshine

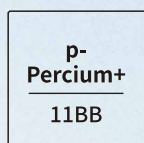
# JA SOLAR

# 585W



## JAM72S30 LR p-type Monofacial Modules

### Premium Cells



MBB Half-Cell Technology

# 24%



Cell Conversion Efficiency

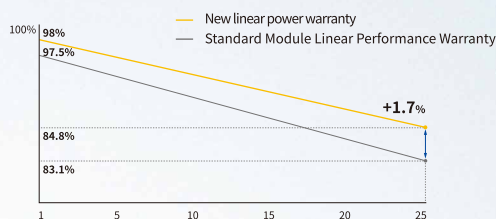
### Premium Modules

Higher output power

Less shading and lower resistive loss

Lower LCOE

Better mechanical loading tolerance

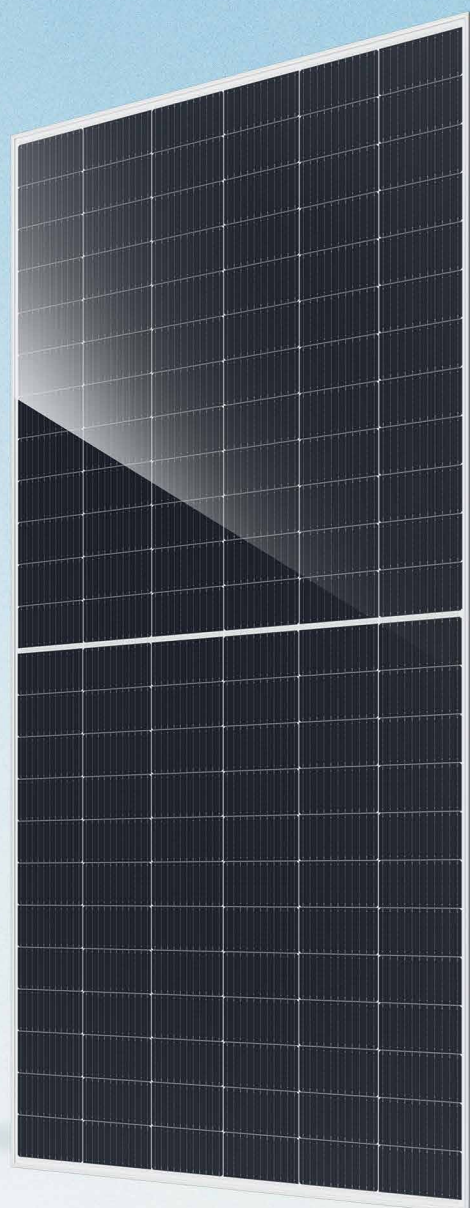


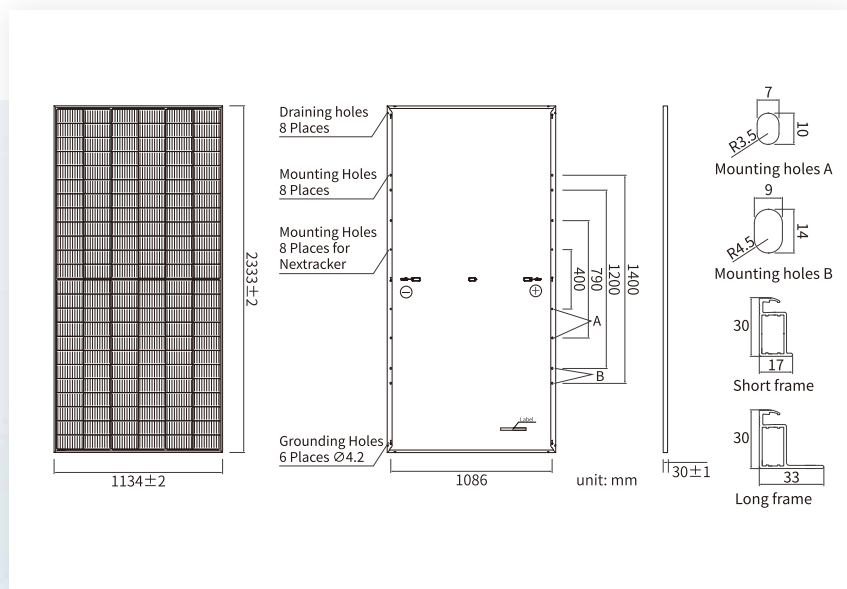
12-year product warranty

25-year linear power output warranty

### 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
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing





## MECHANICAL PARAMETERS

Cell	Mono
Weight	28kg
Dimensions	2333mm × 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 Solar QC4.10-351/QC4.10-35 Staubli PV-KST4-EVO2A/xy ,PV-KBT4-EVO2A/xy
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 720pcs/40ft Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC

TYPE	JAM72S30 560/LR	JAM72S30 565/LR	JAM72S30 570/LR	JAM72S30 575/LR	JAM72S30 580/LR	JAM72S30 585/LR
Rated Maximum Power(Pmax) [W]	560	565	570	575	580	585
Open Circuit Voltage (Voc) [V]	50.32	50.50	50.68	50.86	51.04	51.22
Maximum Power Voltage(Vmp) [V]	41.49	41.68	41.87	42.05	42.24	42.42
Short Circuit Current(Isc) [A]	14.25	14.31	14.37	14.44	14.50	14.56
Maximum Power Current(Imp) [A]	13.50	13.56	13.62	13.67	13.73	13.79
Module Efficiency [%]	21.2	21.4	21.5	21.7	21.9	22.1
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					

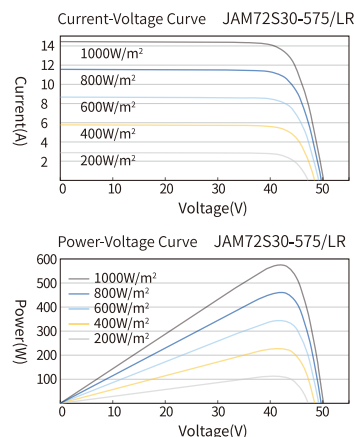
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC: Pmax ±3%, Voc ±3% and Isc ±5%.

## ELECTRICAL PARAMETERS AT NOCT

TYPE	JAM72S30 560/LR	JAM72S30 565/LR	JAM72S30 570/LR	JAM72S30 575/LR	JAM72S30 580/LR	JAM72S30 585/LR
Rated Max Power(Pmax) [W]	424	428	431	435	439	443
Open Circuit Voltage(Voc) [V]	47.62	47.79	47.96	48.13	48.30	48.74
Max Power Voltage(Vmp) [V]	39.26	39.44	39.62	39.79	39.97	40.14
Short Circuit Current(Isc) [A]	11.40	11.45	11.50	11.55	11.60	11.65
Max Power Current(Imp) [A]	10.80	10.85	10.89	10.94	10.99	11.03
NOCT	Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s, AM1.5G					

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

## CHARACTERISTICS



## OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load, Front*	3600Pa, 1.5
Maximum Static Load, Back*	1600Pa, 1.5
NOCT	45±2°C
Safety Class	Class II
Fire Performance	Class C

Specifications subject to technical changes and tests. JA Solar reserves the right of final interpretation.

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