

# Harvest the Sunshine

# JA SOLAR

# 585W



## JAM72S30 LR p-type Monofacial Modules

### Premium Cells

p-  
Percium+  
11BB

MBB Half-Cell  
Technology

24%  
Up To

Cell Conversion  
Efficiency

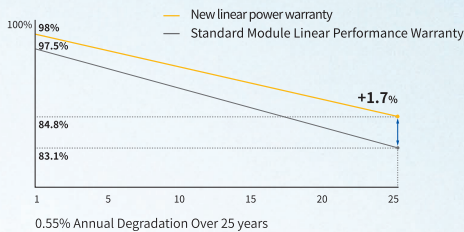
### Premium Modules

W Higher  
output power

Less shading and  
lower resistive loss

\$ Lower  
LCOE

Better mechanical  
loading tolerance

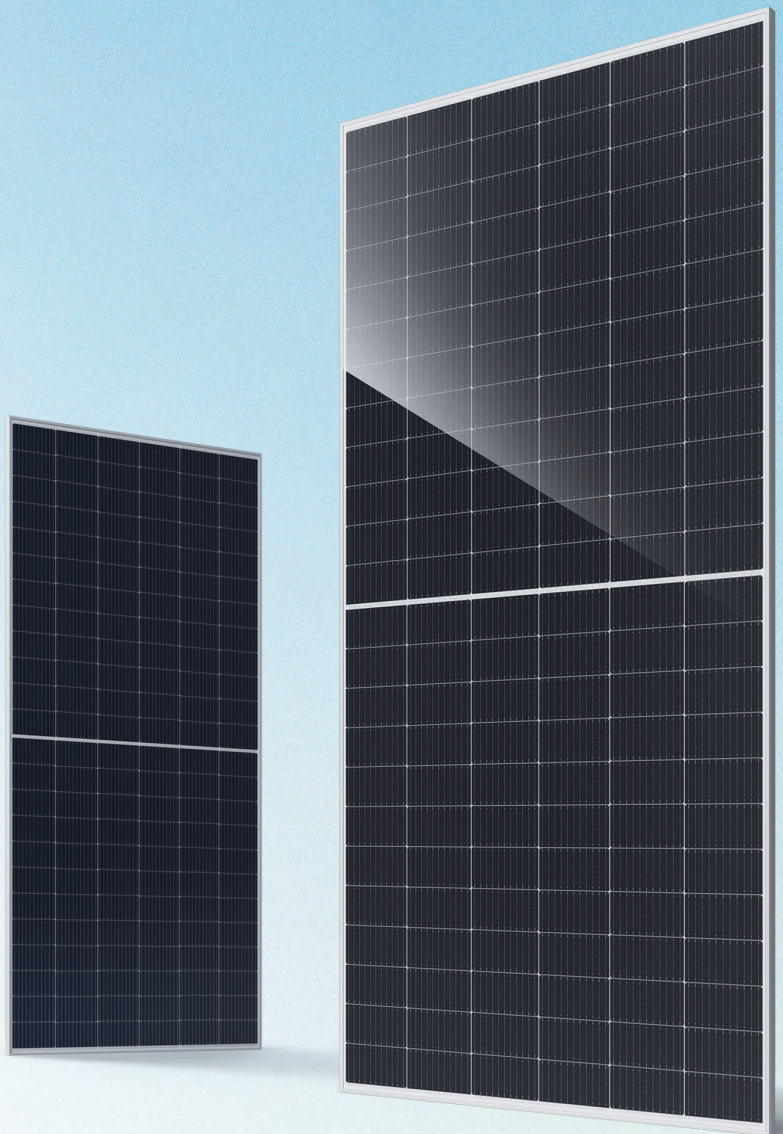


12 12-year product  
warranty

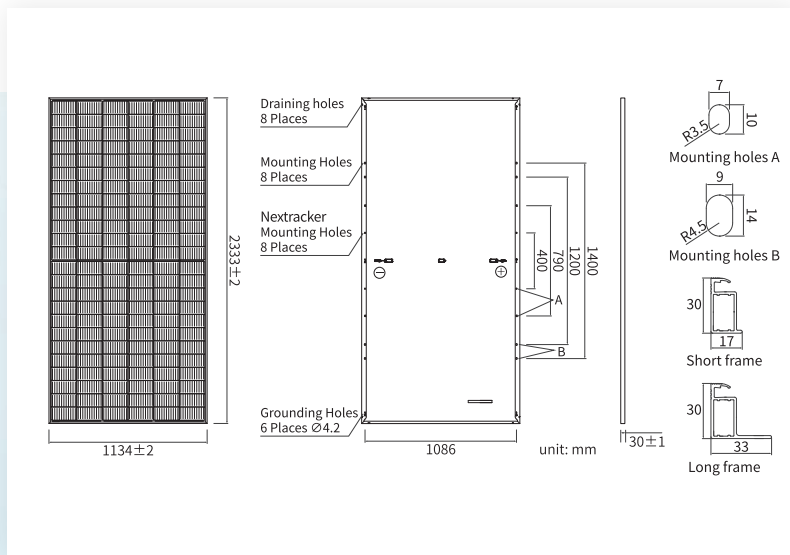
25 25-year linear power  
output warranty

### 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 Pro



## MECHANICAL PARAMETERS

Cell	Mono
Weight	28kg
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	Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
Front Glass	3.2mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container

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(P <sub>max</sub> ) [W]	560	565	570	575	580	585
Open Circuit Voltage (V <sub>oc</sub> ) [V]	50.32	50.50	50.68	50.86	51.04	51.22
Maximum Power Voltage(V <sub>mp</sub> ) [V]	41.49	41.68	41.87	42.05	42.24	42.42
Short Circuit Current(I <sub>sc</sub> ) [A]	14.25	14.31	14.37	14.44	14.50	14.56
Maximum Power Current(I <sub>mp</sub> ) [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 I <sub>sc</sub> (α <sub>Isc</sub> )	+0.045%/°C					
Temperature Coefficient of V <sub>oc</sub> (β <sub>Voc</sub> )	-0.275%/°C					
Temperature Coefficient of P <sub>max</sub> (γ <sub>Pmp</sub> )	-0.350%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G					

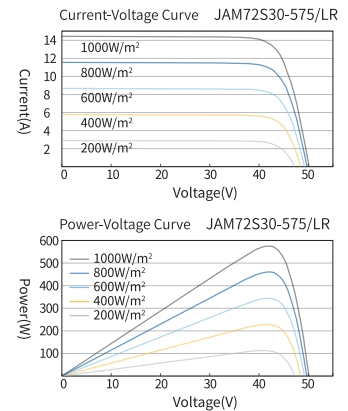
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## ELECTRICAL 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(P <sub>max</sub> ) [W]	424	428	431	435	439	443
Open Circuit Voltage(V <sub>oc</sub> ) [V]	47.62	47.79	47.96	48.13	48.30	48.74
Max Power Voltage(V <sub>mp</sub> ) [V]	39.26	39.44	39.62	39.79	39.97	40.14
Short Circuit Current(I <sub>sc</sub> ) [A]	11.40	11.45	11.50	11.55	11.60	11.65
Max Power Current(I <sub>mp</sub> ) [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	1000V/1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
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
Safety Class	Class II
Fire Performance	UL Type 1