

# Harvest the Sunshine

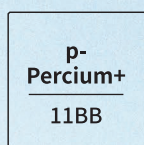
# JA SOLAR

# 585W



## JAM72S30 LR p-type Monofacial Modules

### Premium Cells



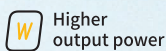
MBB Half-Cell Technology

# 24%



Cell Conversion Efficiency

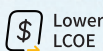
### Premium Modules



Higher output power



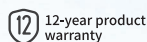
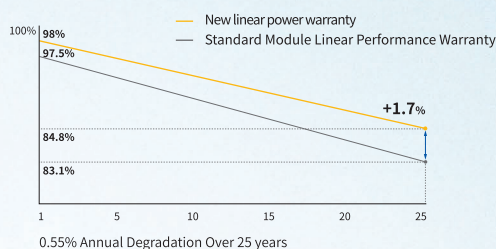
Less shading and lower resistive loss



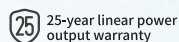
Lower LCOE



Better mechanical loading tolerance



12-year product warranty



25-year linear power output warranty

### Comprehensive Certificates

- IEC 61215, IEC 61730, 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

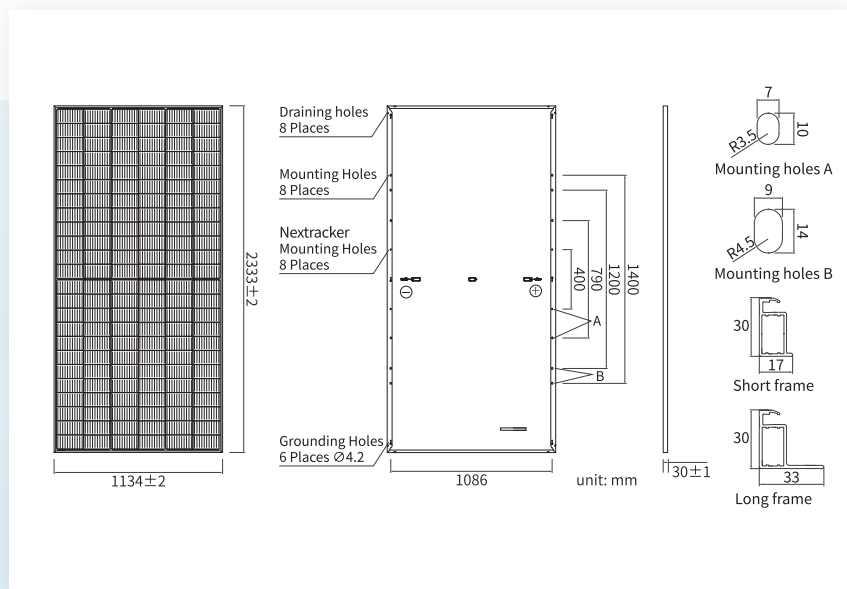
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## MECHANICAL PARAMETERS

|                                    |   |
|------------------------------------|---|
| 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 (Including Connector) | Portrait: 300mm(+)/400mm(-)<br>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<br>560/LR  | JAM72S30<br>565/LR | JAM72S30<br>570/LR | JAM72S30<br>575/LR | JAM72S30<br>580/LR | JAM72S30<br>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 |                    |                    |                    |                    |                    |

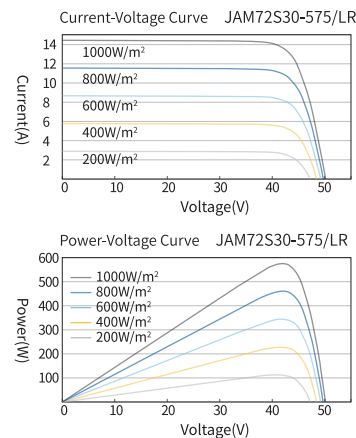
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## ELECTRICAL PARAMETERS AT NOCT

| TYPE                           | JAM72S30<br>560/LR   | JAM72S30<br>565/LR | JAM72S30<br>570/LR | JAM72S30<br>575/LR | JAM72S30<br>580/LR | JAM72S30<br>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      | 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                       |