

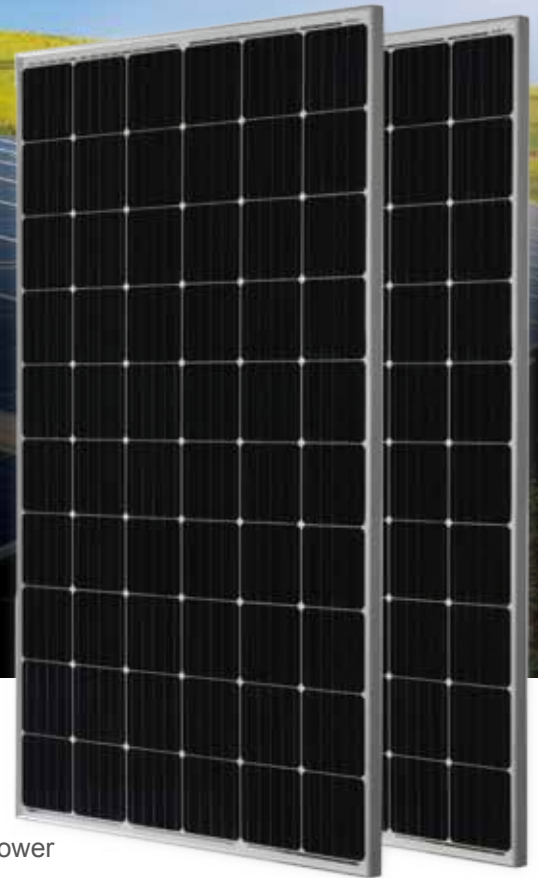


## 320W PERC Module

JAM60S01 300-320/PR Series

### Introduction

Powered by high-efficiency PERCIUM cells, this series of high-performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small.



5 busbar solar cell design



Higher output power



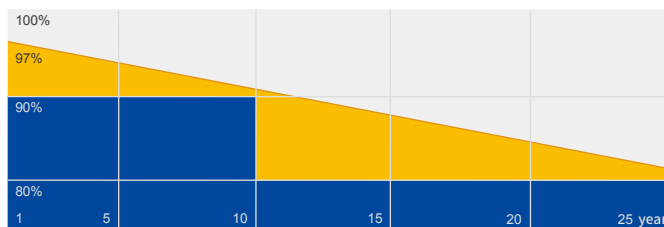
Excellent low-light performance



Lower temperature coefficient

### Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



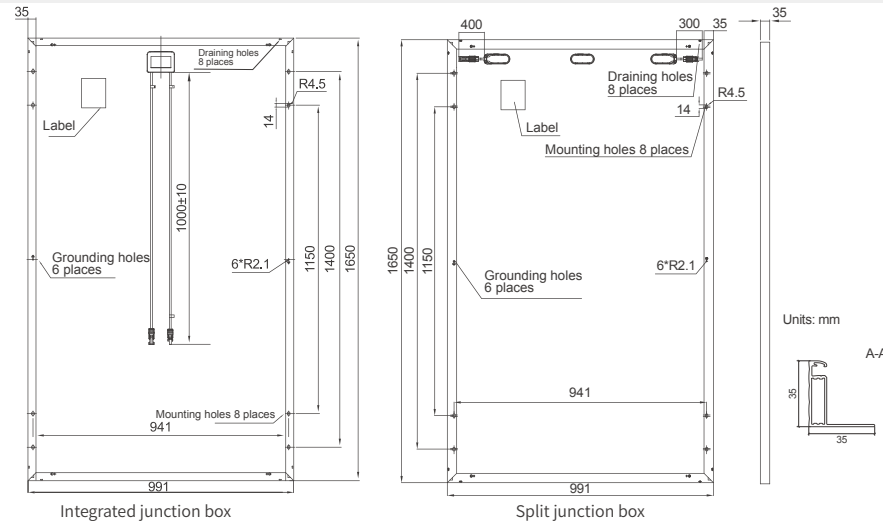
■ JA Linear Power Warranty ■ Industry Warranty

### Comprehensive Certificates

- IEC 61215, IEC 61730, UL 1703, IEC TS 62804, IEC 61701, IEC 62716, IEC 60068-2-68
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval



## MECHANICAL DIAGRAMS



Remark: customized frame color and cable length available upon request

## SPECIFICATIONS

|                          |                                            |
|--------------------------|--------------------------------------------|
| Cell                     | Mono                                       |
| Weight                   | 18.2kg±3%                                  |
| Dimensions               | 1650mm×991mm×35mm                          |
| Cable Cross Section Size | 4mm <sup>2</sup>                           |
| No. of cells             | 60(6x10)                                   |
| Junction Box             | IP67, 3 diodes                             |
| Connector                | MC4 Compatible(1000V)<br>QC 4.10-35(1500V) |
| Packaging Configuration  | 30 Per Pallet                              |

## ELECTRICAL PARAMETERS AT STC

| TYPE                                                            | JAM60S01<br>-300/PR                                             | JAM60S01<br>-305/PR | JAM60S01<br>-310/PR | JAM60S01<br>-315/PR | JAM60S01<br>-320/PR |
|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(P <sub>max</sub> ) [W]                      | 300                                                             | 305                 | 310                 | 315                 | 320                 |
| Open Circuit Voltage(V <sub>oc</sub> ) [V]                      | 39.85                                                           | 40.05               | 40.30               | 40.53               | 40.80               |
| Maximum Power Voltage(V <sub>mp</sub> ) [V]                     | 32.26                                                           | 32.57               | 32.84               | 33.16               | 33.48               |
| Short Circuit Current(I <sub>sc</sub> ) [A]                     | 9.75                                                            | 9.85                | 9.91                | 9.98                | 10.05               |
| Maximum Power Current(I <sub>mp</sub> ) [A]                     | 9.30                                                            | 9.37                | 9.44                | 9.50                | 9.56                |
| Module Efficiency [%]                                           | 18.3                                                            | 18.7                | 19.0                | 19.3                | 19.6                |
| Power Tolerance                                                 | 0~+5W                                                           |                     |                     |                     |                     |
| Temperature Coefficient of I <sub>sc</sub> (α <sub>Isc</sub> )  | +0.060%/°C                                                      |                     |                     |                     |                     |
| Temperature Coefficient of V <sub>oc</sub> (β <sub>Voc</sub> )  | -0.300%/°C                                                      |                     |                     |                     |                     |
| Temperature Coefficient of P <sub>max</sub> (γ <sub>Pmp</sub> ) | -0.380%/°C                                                      |                     |                     |                     |                     |
| STC                                                             | Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G |                     |                     |                     |                     |

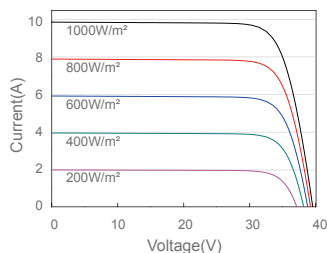
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## ELECTRICAL PARAMETERS AT NOCT

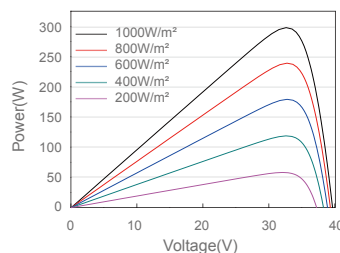
| TYPE                                        | JAM60S01<br>-300/PR                                                                   | JAM60S01<br>-305/PR | JAM60S01<br>-310/PR | JAM60S01<br>-315/PR | JAM60S01<br>-320/PR | Maximum System Voltage    | 1000V/1500V DC(IEC) |
|---------------------------------------------|---------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------|---------------------|
| Rated Max Power(P <sub>max</sub> ) [W]      | 221                                                                                   | 224                 | 228                 | 232                 | 235                 | Operating Temperature     | -40°C~+85°C         |
| Open Circuit Voltage(V <sub>oc</sub> ) [V]  | 36.75                                                                                 | 36.95               | 37.15               | 37.36               | 37.61               | Maximum Series Fuse       | 20A                 |
| Max Power Voltage(V <sub>mp</sub> ) [V]     | 29.69                                                                                 | 29.90               | 30.18               | 30.42               | 30.70               | Maximum Static Load,Front | 5400Pa              |
| Short Circuit Current(I <sub>sc</sub> ) [A] | 7.78                                                                                  | 7.86                | 7.93                | 7.99                | 8.05                | Maximum Static Load,Back  | 2400Pa              |
| Max Power Current(I <sub>mp</sub> ) [A]     | 7.43                                                                                  | 7.50                | 7.55                | 7.61                | 7.66                | NOCT                      | 45±2°C              |
| NOCT                                        | Irradiance 800W/m <sup>2</sup> , ambient temperature 20°C,<br>wind speed 1m/s, AM1.5G |                     |                     |                     |                     | Application Class         | Class A             |

## CHARACTERISTICS

Current-Voltage Curve JAM60S01-300/PR



Power-Voltage Curve JAM60S01-300/PR



Current-Voltage Curve JAM60S01-300/PR

