

**630W** **LB**  
Series



Higher power generation better LCOE



n-type with very Lower LID



Better Temperature Coefficient



Better low irradiance response



12-year product warranty



30-year linear power output warranty

**n-type Bifacial Double Glass  
High Efficiency Mono Module  
JAM72D42 LB**

**605-630**

**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



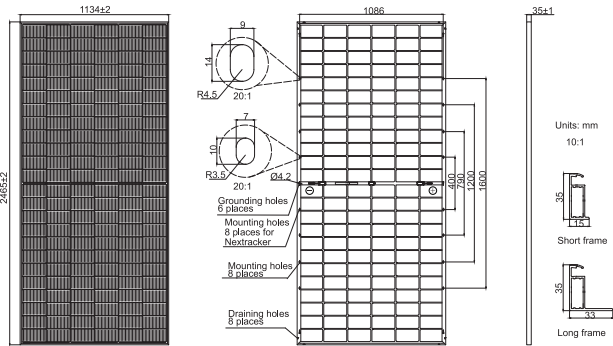


# 630W

## 605-630

JAM72D42

**LB**  
Series



Remark: customized frame color and cable length available upon request

|                                    |   |
|------------------------------------|---|
| Cell                               | Mono-16BB   |
| Weight                             | 34.6kg  |
| Dimensions                         | 2465±2mm×1134±2mm×35±1mm  |
| Cable Cross Section Size           | 4mm <sup>2</sup> (IEC), 12 AWG(UL)  |
| No. of cells                       | 144(6×24)   |
| Junction Box                       | IP68, 3 diodes  |
| Connector                          | QC 4.10-351/ MC4-EVO2A  |
| Cable Length (Including Connector) | Portrait: 300mm(+)/400mm(-);<br>800mm(+)/800mm(-)(Leapfrog)<br>Landscape: 1500mm(+)/1500mm(-) |
| Front Glass/Back Glass             | 2.0mm/2.0mm   |
| Packaging Configuration            | 31pcs/Pallet, 496pcs/40HQ Container   |

### ELECTRICAL PARAMETERS AT STC

| TYPE   | JAM72D42<br>-605/LB  | JAM72D42<br>-610/LB | JAM72D42<br>-615/LB | JAM72D42<br>-620/LB | JAM72D42<br>-625/LB | JAM72D42<br>-630/LB |
|--|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W]                      | 605  | 610                 | 615                 | 620                 | 625                 | 630                 |
| Open Circuit Voltage(Voc) [V]                      | 51.27  | 51.47               | 51.67               | 51.86               | 52.05               | 52.24               |
| Maximum Power Voltage(Vmp) [V]                     | 42.91  | 43.11               | 43.31               | 43.51               | 43.71               | 43.90               |
| Short Circuit Current(Isc) [A]                     | 14.83  | 14.88               | 14.93               | 14.98               | 15.03               | 15.08               |
| Maximum Power Current(Imp) [A]                     | 14.10  | 14.15               | 14.20               | 14.25               | 14.30               | 14.35               |
| Module Efficiency [%]                              | 21.6   | 21.8                | 22.0                | 22.2                | 22.4                | 22.5                |
| Power Tolerance                                    | 0~+5W  |                     |                     |                     |                     |                     |
| Temperature Coefficient of Isc(α <sub>Isc</sub> )  | +0.046%/ C   |                     |                     |                     |                     |                     |
| Temperature Coefficient of Voc(β <sub>Voc</sub> )  | -0.260%/ C   |                     |                     |                     |                     |                     |
| Temperature Coefficient of Pmax(γ <sub>Pmp</sub> ) | -0.300%/ 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

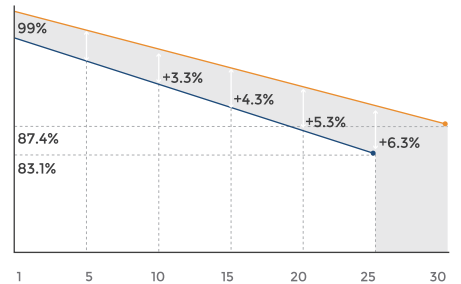
| TYPE                           | JAM72D42<br>-605/LB | JAM72D42<br>-610/LB | JAM72D42<br>-615/LB | JAM72D42<br>-620/LB | JAM72D42<br>-625/LB | JAM72D42<br>-630/LB |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W]      | 653                 | 659                 | 664                 | 670                 | 675                 | 680                 |
| Open Circuit Voltage(Voc) [V]  | 51.27               | 51.47               | 51.67               | 51.86               | 52.05               | 52.24               |
| Max Power Voltage(Vmp) [V]     | 42.91               | 43.11               | 43.31               | 43.51               | 43.71               | 43.90               |
| Short Circuit Current(Isc) [A] | 16.01               | 16.07               | 16.12               | 16.18               | 16.23               | 16.29               |
| Max Power Current(Imp) [A]     | 15.23               | 15.28               | 15.34               | 15.39               | 15.44               | 15.50               |
| Irradiation Ratio (rear/front) | 10%                 |                     |                     |                     |                     |                     |

\*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.  
\*\*Bifaciality=Pmax,rear/Rated Pmax,front

### CHARACTERISTICS

### Superior Warranty

1% 1st-year Degradation  
0.4% Annual Degradation Over 30 years

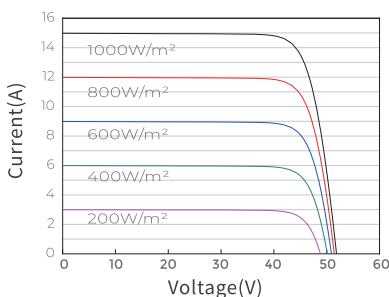


- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

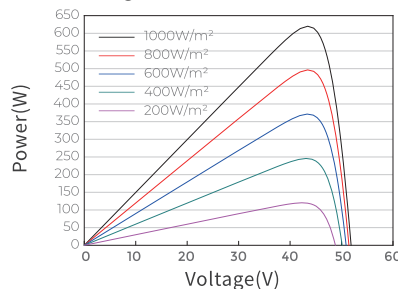
### OPERATING CONDITIONS

|                            |                                 |
|----------------------------|---------------------------------|
| 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**              | 80%±10%                         |
| Fire Performance           | UL Type 29                      |

Current-Voltage Curve JAM72D42-620/LB



Power-Voltage Curve JAM72D42-620/LB



Current-Voltage Curve JAM72D42-620/LB

