JA SOLAR

# Harvest the Sunshine

# 630W

# JAM66D45 LB n-type Double Glass Bifacial Modules

## Premium Cells

n-Bycium+ 16BB

MBB Half-Cell Technology

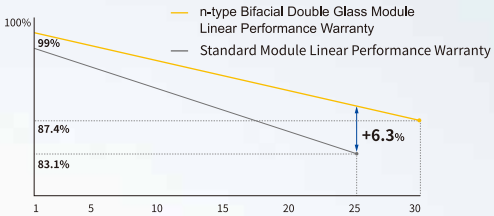
26%

Up To

Cell Conversion Efficiency

## Premium Modules

- Higher power generation better LCOE
- n-type with very Lower LID
- Better Temperature Coefficient
- Better low irradiance response




1% 1st-year Degradation

0.4% Annual Degradation Over 30 years

12 12-year product warranty

30 30-year linear power output warranty

### Comprehensive Certificates

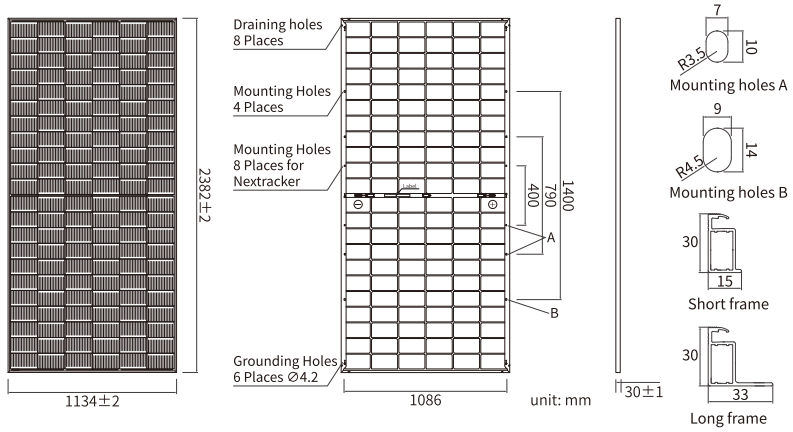
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

# JAM66D45 LB n-type Double Glass Bifacial Modules

DEEP BLUE 4.0 Pro




## MECHANICAL PARAMETERS

| | |
|---|---|
| Cell | Mono |
| Weight | 33.1kg |
| Dimensions | 2382±2mm×1134±2mm×30±1mm |
| Cable Cross Section Size | 4mm²(IEC), 12 AWG(UL) |
| No. of cells | 132(6×22) |
| Junction Box | IP68, 3diodes |
| Connector | QC 4.10-351/ MC4-EVO2A |
| Cable Length (Including Connector) | Portrait: 300mm(+) /400mm(-)<br>Landscape: 1500mm(+)/1500mm(-) |
| Front Glass/Back Glass | 2.0mm/2.0mm |
| Packaging Configuration | 36pcs/Pallet, 720pcs/40HQ Container |

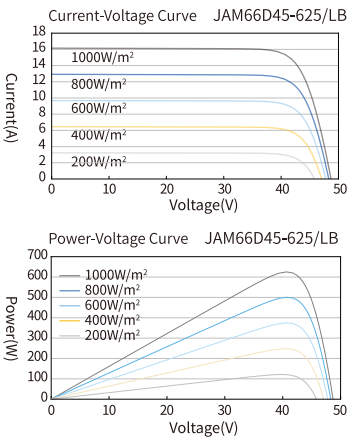
Remark: customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC

| TYPE | JAM66D45 -605/LB | JAM66D45 -610/LB | JAM66D45 -615/LB | JAM66D45 -620/LB | JAM66D45 -625/LB | JAM66D45 -630/LB |
|---|---|---|---|---|---|---|
| Rated Maximum Power(Pmax) [W] | 605 | 610 | 615 | 620 | 625 | 630 |
| Open Circuit Voltage (Voc) [V] | 47.90 | 48.10 | 48.30 | 48.50 | 48.70 | 48.90 |
| Maximum Power Voltage(Vmp) [V] | 39.60 | 39.77 | 39.96 | 40.21 | 40.45 | 40.70 |
| Short Circuit Current(Isc) [A] | 16.00 | 16.05 | 16.10 | 16.13 | 16.15 | 16.18 |
| Maximum Power Current(Imp) [A] | 15.28 | 15.34 | 15.39 | 15.42 | 15.45 | 15.48 |
| Module Efficiency [%] | 22.4 | 22.6 | 22.8 | 23.0 | 23.1 | 23.3 |
| Power Tolerance | 0~+3% | | | | | |
| Temperature Coefficient of Isc/α_Isc) | +0.045%/°C | | | | | |
| Temperature Coefficient of Voc (β_Voc) | -0.250%/°C | | | | | |
| Temperature Coefficient of Pmax(γ_Pmp) | -0.290%/°C | | | | | |
| STC | Irradiance 1000W/m², 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.

## CHARACTERISTICS




## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE | JAM66D45 -605/LB | JAM66D45 -610/LB | JAM66D45 -615/LB | JAM66D45 -620/LB | JAM66D45 -625/LB | JAM66D45 -630/LB |
|---|---|---|---|---|---|---|
| Rated Max Power(Pmax) [W] | 653 | 659 | 664 | 670 | 675 | 680 |
| Open Circuit Voltage(Voc) [V] | 47.90 | 48.10 | 48.30 | 48.50 | 48.70 | 48.90 |
| Max Power Voltage(Vmp) IV] | 39.60 | 39.77 | 39.96 | 40.21 | 40.45 | 40.70 |
| Short Circuit Current(Isc) [Al | 17.28 | 17.33 | 17.39 | 17.42 | 17.44 | 17.47 |
| Max Power Current(Imp) [A] | 16.50 | 16.56 | 16.62 | 16.65 | 16.69 | 16.72 |
| Irradiation Ratio (rear/front) | 10% | | | | | |

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

## OPERATING CONDITIONS

| | |
|---|---|
| Maximum System Voltage | 1500V DC |
| Operating Temperature | -40°C~+85°C |
| Maximum Series Fuse Rating | 35A |
| Maximum Static Load, Front* | 5400Pa(112 lb/ft²) |
| Maximum Static Load, Back* | 2400Pa(50 lb/ft²) |
| NOCT | 45±2°C |
| Bifaciality | 80%±5% |
| Safety Class | Class II |
| Fire Performance | UL Type 29/Class C |


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Specifications subject to technical changes and tests.
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