

Harvest the Sunshine

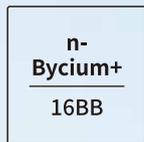
JA SOLAR

635W



JAM66S45 LR n-type Half-cell Module

Premium Cells



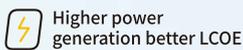
MBB Half-Cell Technology

26%



Cell Conversion Efficiency

Premium Modules



Higher power generation better LCOE



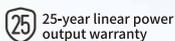
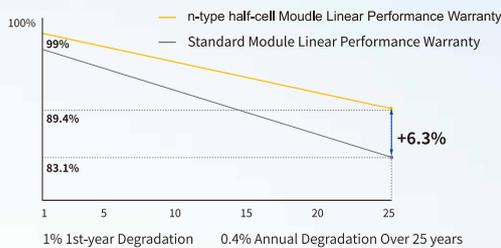
n-type with very Lower LID



Better Temperature Coefficient



Better low irradiance response

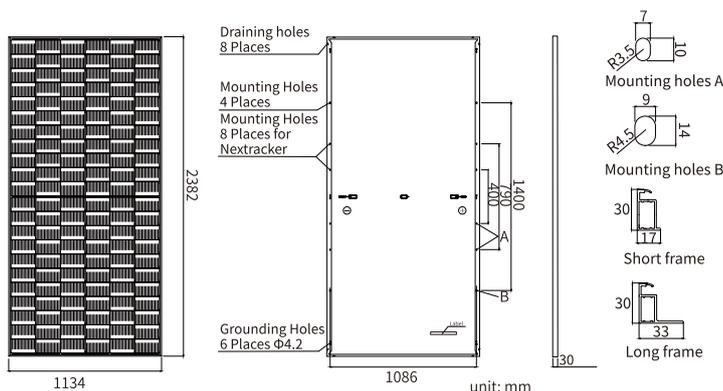


Comprehensive Certificates

- 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



JAM66S45 LR n-type Half-cell Module



MECHANICAL PARAMETERS

| | |
|---------------------------------------|--|
| Cell | Mono |
| Weight | 29.3kg |
| Dimensions | 2382mm × 1134mm × 30mm |
| Cable Cross Section Size | 4mm ² (IEC), 12 AWG(UL) |
| No. of cells | 132(6 × 22) |
| Junction Box | IP68, 3diodes |
| Connector | Stäubli PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy QC Solar QC4.10-351/ QC4.10-35 |
| Cable Length (Including Connector) | Portrait: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-) |
| Front Glass/Back Glass | 3.2mm |
| Packaging Configuration | 36pcs/Pallet, 720pcs/40HQ Container |
| Country of Manufacturer | China/Vietnam |

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

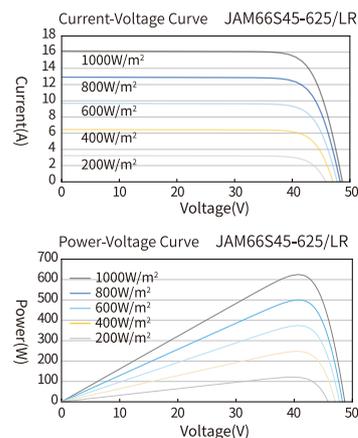
| TYPE | JAM66S45 -610/LR | JAM66S45 -615/LR | JAM66S45 -620/LR | JAM66S45 -625/LR | JAM66S45 -630/LR | JAM66S45 -635/LR |
|--|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W] | 610 | 615 | 620 | 625 | 630 | 635 |
| Open Circuit Voltage (Voc) [V] | 48.10 | 48.30 | 48.50 | 48.70 | 48.90 | 49.10 |
| Maximum Power Voltage(Vmp) [V] | 39.77 | 39.96 | 40.21 | 40.45 | 40.70 | 40.94 |
| Short Circuit Current(Isc) [A] | 16.05 | 16.10 | 16.13 | 16.15 | 16.18 | 16.21 |
| Maximum Power Current(Imp) [A] | 15.34 | 15.39 | 15.42 | 15.45 | 15.48 | 15.51 |
| Module Efficiency [%] | 22.6 | 22.8 | 23.0 | 23.1 | 23.3 | 23.5 |
| Power Selection | 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/m ² , 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. Measurement tolerance at STC: Pmax ± 3%, Voc ± 3%, Isc ± 5%.

ELECTRICAL PARAMETERS AT NOCT

| TYPE | JAM66S45 -610/LR | JAM66S45 -615/LR | JAM66S45 -620/LR | JAM66S45 -625/LR | JAM66S45 -630/LR | JAM66S45 -635/LR |
|--------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W] | 462 | 466 | 469 | 473 | 477 | 481 |
| Open Circuit Voltage(Voc) [V] | 45.51 | 45.70 | 45.89 | 46.08 | 46.27 | 46.46 |
| Max Power Voltage(Vmp) [V] | 37.63 | 37.81 | 38.05 | 38.28 | 38.51 | 38.74 |
| Short Circuit Current(Isc) [A] | 12.84 | 12.88 | 12.90 | 12.92 | 12.94 | 12.97 |
| Max Power Current(Imp) [A] | 12.27 | 12.31 | 12.34 | 12.34 | 12.38 | 12.41 |
| NOCT | Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G | | | | | |

CHARACTERISTICS



OPERATING CONDITIONS

| | |
|----------------------------|---------------------------------|
| Maximum System Voltage | 1500V DC |
| Operating Temperature | -40°C~+70°C |
| Maximum Series Fuse Rating | 30A |
| Maximum Static Load, Front | 5400Pa(112 lb/ft ²) |
| Maximum Static Load, Back | 2400Pa(50 lb/ft ²) |
| NOCT | 45 ± 2°C |
| Safety Class | Class II |
| Fire Performance | Class C |

*PV module 98th percentile operating temperature : 70°C