

530W **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
JAM60D42 LB**

505-530

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



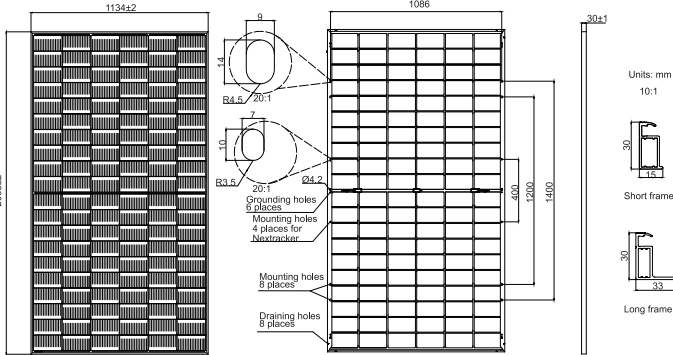


530W

505-530

JAM60D42

LB
Series



Remark: customized frame color and cable length available upon request

| | |
|------------------------------------|--|
| Cell | Mono-16BB |
| Weight | 28.8kg |
| Dimensions | 2063±2mm×1134±2mm×30±1mm |
| Cable Cross Section Size | 4mm ² (IEC), 12 AWG(UL) |
| No. of cells | 120(6×20) |
| Junction Box | IP68, 3 diodes |
| Connector | QC 4.10-351/ MC4-EVO2A |
| Cable Length (Including Connector) | Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-) |
| Front Glass/Back Glass | 2.0mm/2.0mm |
| Packaging Configuration | 36pcs/Pallet, 792pcs/40HQ Container |

ELECTRICAL PARAMETERS AT STC

| TYPE | JAM60D42 -505/LB | JAM60D42 -510/LB | JAM60D42 -515/LB | JAM60D42 -520/LB | JAM60D42 -525/LB | JAM60D42 -530/LB |
|--|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W] | 505 | 510 | 515 | 520 | 525 | 530 |
| Open Circuit Voltage(Voc) [V] | 42.93 | 43.13 | 43.33 | 43.53 | 43.73 | 43.93 |
| Maximum Power Voltage(Vmp) [V] | 35.69 | 35.92 | 36.15 | 36.37 | 36.59 | 36.81 |
| Short Circuit Current(Isc) [A] | 15.01 | 15.06 | 15.11 | 15.16 | 15.21 | 15.26 |
| Maximum Power Current(Imp) [A] | 14.15 | 14.20 | 14.25 | 14.30 | 14.35 | 14.40 |
| Module Efficiency [%] | 21.6 | 21.8 | 22.0 | 22.2 | 22.4 | 22.7 |
| Power Tolerance | 0~+3% | | | | | |
| Temperature Coefficient of Isc(α _{Isc}) | +0.046%/C | | | | | |
| Temperature Coefficient of Voc(β _{Voc}) | -0.260%/C | | | | | |
| Temperature Coefficient of Pmax(γ _{Pmp}) | -0.300%/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.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE | JAM60D42 -505/LB | JAM60D42 -510/LB | JAM60D42 -515/LB | JAM60D42 -520/LB | JAM60D42 -525/LB | JAM60D42 -530/LB |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W] | 545 | 551 | 556 | 562 | 567 | 572 |
| Open Circuit Voltage(Voc) [V] | 42.93 | 43.13 | 43.33 | 43.53 | 43.73 | 43.93 |
| Max Power Voltage(Vmp) [V] | 35.69 | 35.92 | 36.15 | 36.37 | 36.59 | 36.81 |
| Short Circuit Current(Isc) [A] | 16.21 | 16.26 | 16.32 | 16.37 | 16.43 | 16.48 |
| Max Power Current(Imp) [A] | 15.28 | 15.34 | 15.39 | 15.44 | 15.50 | 15.55 |
| Irradiation Ratio (rear/front) | 10% | | | | | |

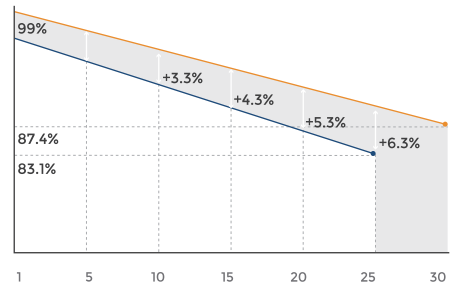
*For NextTracker installations, maximum static load please take compatibility approve letter between JA Solar and NextTracker for reference.

**Bifaciality=Pmax,rear/Rated Pmax,front

CHARACTERISTICS

Superior Warranty

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

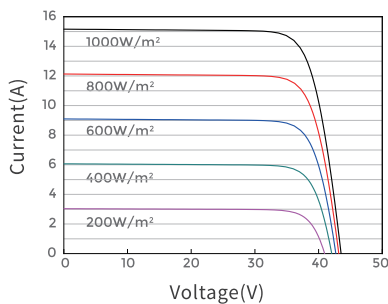


- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

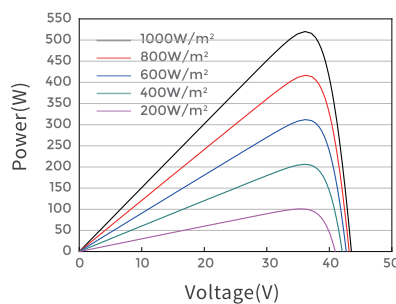
OPERATING CONDITIONS

| | |
|----------------------------|---------------------------------|
| Maximum System Voltage | 1500V DC |
| Operating Temperature | -40°C~+85°C |
| Maximum Series Fuse Rating | 30A |
| Maximum Static Load,Front* | 5400Pa(112 lb/ft ²) |
| Maximum Static Load,Back* | 2400Pa(50 lb/ft ²) |
| NOCT | 45±2°C |
| Bifaciality** | 80%±10% |
| Fire Performance | UL Type 29 |

Current-Voltage Curve **JAM60D42 -520/LB**



Power-Voltage Curve **JAM60D42 -520/LB**



Current-Voltage Curve **JAM60D42 -520/LB**

