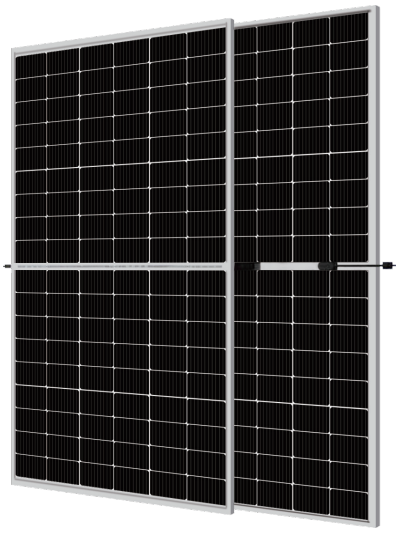
JE SOLAR

# JEBD7P54S-AT

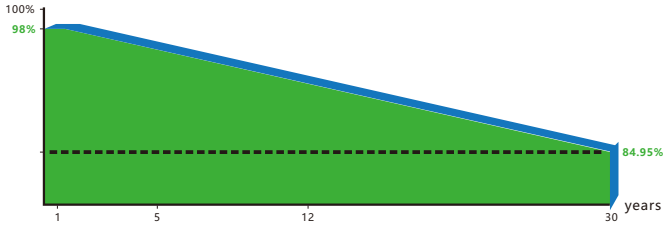
# 395~415W

Bifacial Dual Glass 10BB Half-cut Mono Perc



## Guaranteed Power Performance

- **12** Years Product Warranty
- **30** Years Linear Power Warranty
- **0.45%** Annual Degradation Over 30 Years




## KEY FEATURES

- Half-cut cell technology
  New circuit design, lower nternal current,lower Rs loss
- Guaranteed 0~+5W positive tolerance to ensure power output
- Excellent mechanical load 2400Pa and snow load 5400Pa resistance
- Higherpowergeneration , LowerLCOE
- Excellent Anti-PID performance guarantee via optimized mass-production process and materials control
- Dual stage 100% EL Inspection
  Warranting Defect-Free Product

## Comprehensive Certificates

IS09001: 2015: Quality Management System
IS014001:2015: Environment Management System
IS045001:2018: Occupational Health And Safety Management System

**Add: saysettha developement zone, nano villagesaysettha District, vientiane laos**
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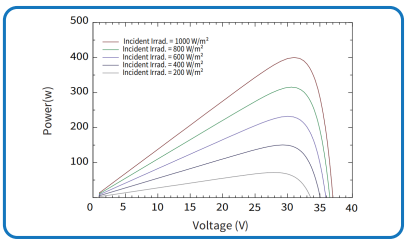
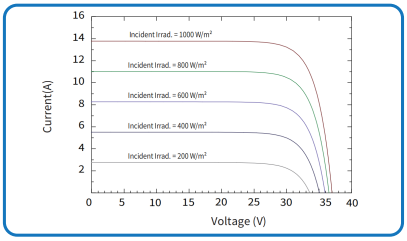
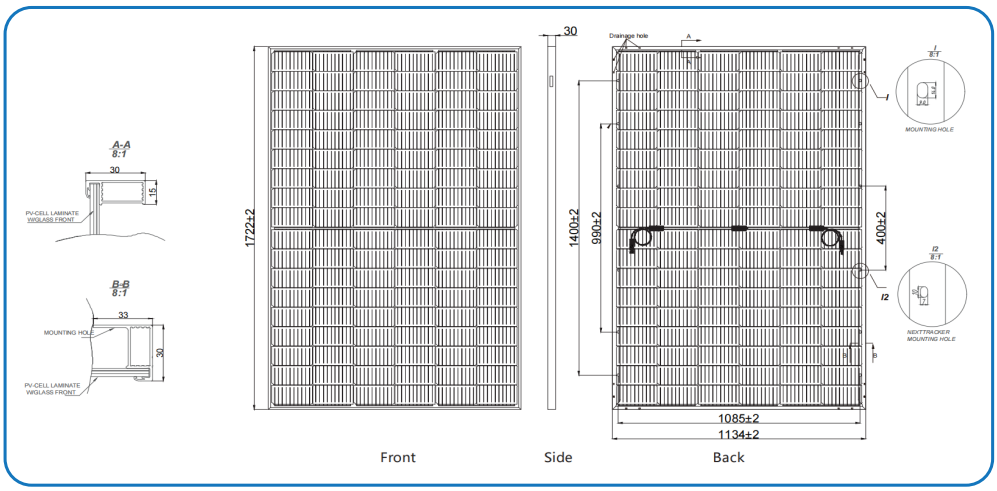
## I-V Curve

# 395~415W




**Weight:** 24.5kg **Dimensions:** 1722*1134*30mm

**Packaging:** 36pcs/pallet,936pcs/ 40'HQ Container

## MECHANICAL CHARACTERISTICS

| | |
|---|---|
| Cell Type | Monocrystalline 182*91mm |
| No. Of Cells | 108 pcs in series (6x18) |
| Front Glass | 2.0mm, Anti-Reflection Coating |
| Back Glass | 2.0mm, Heat Strengthened Glass |
| Frame | Anodized Aluminium Alloy,silver or black |
| Junction Box | IP68 ,3Bypass Diodes |
| Output Cables | 300mm in legth or Customized Length |
| Connectors | MC4-EVO2 |
| Mechanical Load | 5400Pa(Front)/2400Pa(Back) |

## OPERATING CONDITIONS

| | |
|---|---|
| Operating Temperature | -40°C~+85°C |
| Maximum System Voltage | 1500V/DC |
| Maximum Series Fuse Rating | 30A |
| Power Tolerance | 0~+3% |
| Temperature Coeffcients Of Pmax | -0.35%/°C |
| Temperature Coeffcients Of Voc | -0.26%/°C |
| Temperature Coeffcients Of Isc | 0.048%/°C |
| Nominal Module Operating Temperature(NMOT) | 43±2°C |
| *Under STC :BACKside Output Ration =Pmax(rear)/Pmax(front) | 70%±5% |

## ELECTRICAL PARAMETERS AT STC

| Module Type | JEBD7P54S-AT-395W | JEBD7P54S-AT-400W | JEBD7P54S-AT-405W | JEBD7P54S-AT-410W | JEBD7P54S-AT-415W |
|---|---|---|---|---|---|
| Maximum Power(Pmax) | 395 | 400 | 405 | 410 | 415 |
| Maximum Power Voltage (Vmp) | 30.85 | 31.05 | 31.24 | 31.43 | 31.64 |
| Maximum Power Current (Imp) | 12.81 | 12.89 | 12.97 | 13.05 | 13.13 |
| Open-Circuit Voltage (Voc) | 36.75 | 37.00 | 37.25 | 37.50 | 37.75 |
| Short-Circuit Current (Isc) | 13.69 | 13.78 | 13.86 | 13.94 | 14.02 |
| Module Effciency STC (%) | 20.23% | 20.48% | 20.74% | 21.00% | 21.25% |

*STC: Irradiance 1000W/m², AM=1.5, Cell temperature 25℃.

## BIFACIAL OUTPUT-REARSIDE POWER GAIN

| | | | | | | |
|---|---|---|---|---|---|---|
| 5% | Maximum Power(Pmax) | 414 | 420 | 425 | 430 | 435 |
| | Module Efficiency STC (%) | 21.20% | 21.51% | 21.76% | 22.02% | 22.28% |
| 15% | Maximum Power(Pmax) | 454 | 460 | 465 | 471 | 477 |
| | Module Efficiency STC (%) | 23.25% | 23.56% | 23.81% | 24.12% | 24.43% |
| 25% | Maximum Power(Pmax) | 493 | 500 | 506 | 512 | 518 |
| | Module Efficiency STC (%) | 25.25% | 25.60% | 25.91% | 26.22% | 26.53% |

*Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tit angle etc.) and albedo of the ground.

*Due to continuous innovation and R&D enhancement, the specifications and key functions described in this data sheet may have slight deviations and cannot be guaranteed. The final interpretation rights belong to JE Solar