

Tiger Pro 72HC-BDVP

525-545 Watt

BIFACIAL MODULE WITH DUAL GLASS

P-Type

Positive power tolerance of 0~+3%

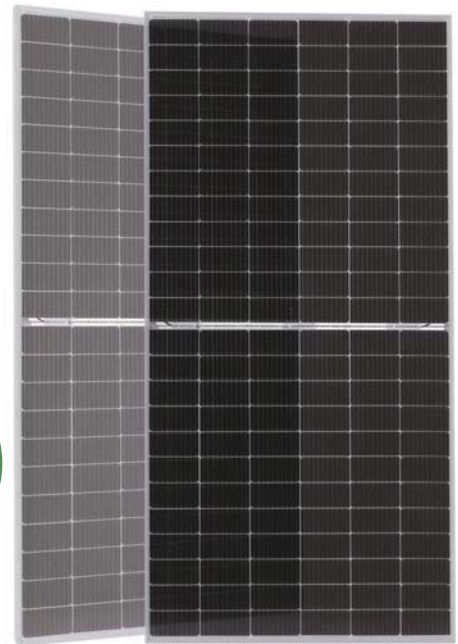
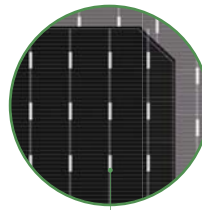
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Bifacial Technology

Key Features



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Longer Life-time Power Yield

0.45% annual power degradation and 30 year linear power warranty.



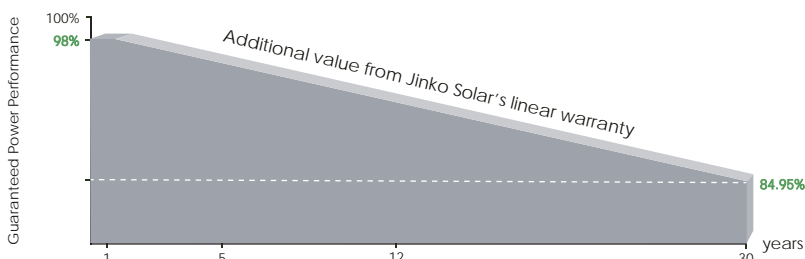
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

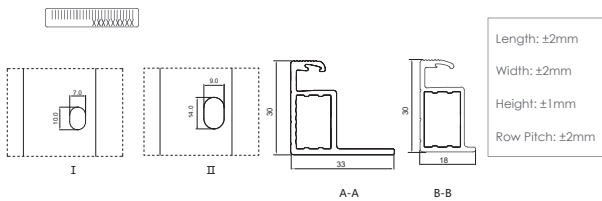
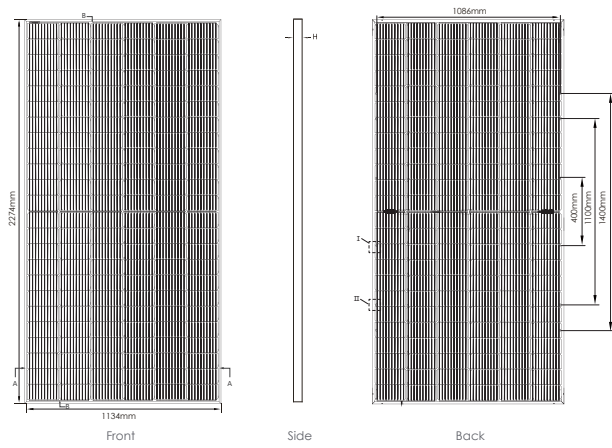


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings

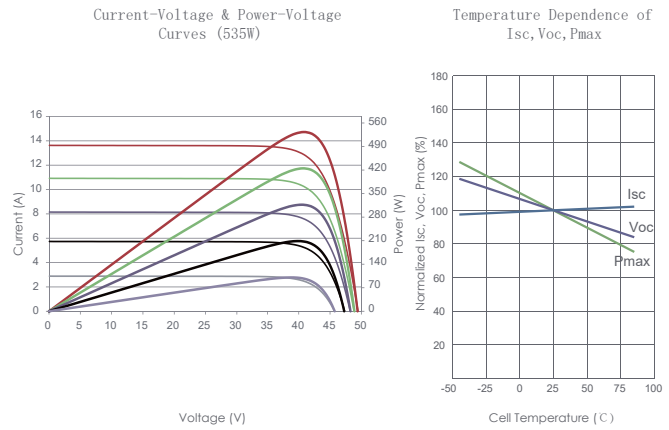


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type | P type Mono-crystalline |
| No. of cells | 144 (6×24) |
| Dimensions | 2274×1134×30mm (89.53×44.65×1.18 inch) |
| Weight | 32 kg (70.55 lbs) |
| Front Glass | 2.0mm, Anti-Reflection Coating |
| Back Glass | 2.0mm, Heat Strengthened Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated |
| Output Cables | TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length |

SPECIFICATIONS

| Module Type | JKM525M-72HL4-BDVP | | JKM530M-72HL4-BDVP | | JKM535M-72HL4-BDVP | | JKM540M-72HL4-BDVP | | JKM545M-72HL4-BDVP | |
|---|--------------------|--------|--------------------|--------|--------------------|--------|--------------------|--------|--------------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 525Wp | 391Wp | 530Wp | 394Wp | 535Wp | 398Wp | 540Wp | 402Wp | 545Wp | 405Wp |
| Maximum Power Voltage (Vmp) | 40.80V | 37.81V | 40.87V | 37.88V | 40.94V | 37.94V | 41.13V | 38.08V | 41.32V | 38.25V |
| Maximum Power Current (Imp) | 12.87A | 10.33A | 12.97A | 10.41A | 13.07A | 10.49A | 13.13A | 10.55A | 13.19A | 10.60A |
| Open-circuit Voltage (Voc) | 49.42V | 46.65V | 49.48V | 46.70V | 49.54V | 46.76V | 49.73V | 46.94V | 49.92V | 47.12V |
| Short-circuit Current (Isc) | 13.63A | 11.01A | 13.73A | 11.09A | 13.83A | 11.17A | 13.89A | 11.22A | 13.95A | 11.27A |
| Module Efficiency STC (%) | 20.36% | | 20.55% | | 20.75% | | 20.94% | | 21.13% | |
| Operating Temperature (°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 30A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.35%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.28%/°C | | | | | | | | | |
| Temperature coefficients of Isc | 0.048%/°C | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2°C | | | | | | | | | |
| Refer. Bifacial Factor | 70±5% | | | | | | | | | |

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

| | | 5% | 15% | 25% | |
|---------------------------|--------|--------|--------|--------|--------|
| Maximum Power (Pmax) | 551Wp | 557Wp | 562Wp | 567Wp | 572Wp |
| Module Efficiency STC (%) | 21.38% | 21.58% | 21.78% | 21.99% | 22.19% |
| Maximum Power (Pmax) | 604Wp | 610Wp | 615Wp | 621Wp | 623Wp |
| Module Efficiency STC (%) | 23.41% | 23.64% | 23.86% | 24.08% | 24.30% |
| Maximum Power (Pmax) | 656Wp | 663Wp | 669Wp | 675Wp | 681Wp |
| Module Efficiency STC (%) | 25.45% | 25.69% | 25.93% | 26.18% | 26.42% |

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s