

Eagle Bifacial 60 290-310 Watt MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008, ISO14001:2004, OHSAS18001
certified factory.
IEC61215, IEC61730 certified products.

(Draft)



(5BB)



KEY FEATURES



PID FREE:

The possibility of PID effect generation is greatly reduced by unique frameless design.



Higher Lifetime Power Yield:

0.5% annual power degradation
30 year linear power warranty



Saving BOS Cost:

Designed for high voltage systems of up to 1500 VDC, saving BOS cost



Higher power output:

Module power increases 5-25% generally (per different reflective condition)



Better low-light performance:

Excellent performance in low-light environments
(e.g. early morning, dusk, and cloud, etc.)



Strengthened Mechanical Support:

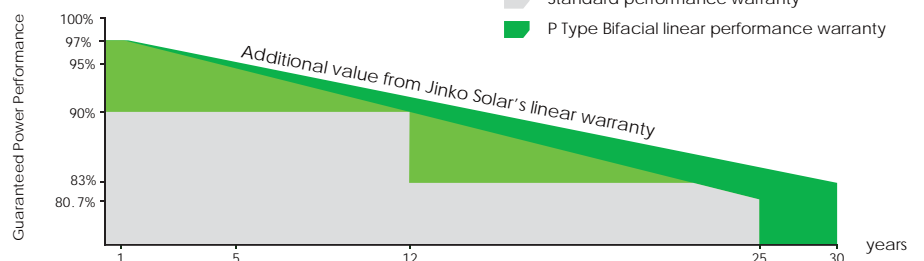
5400 Pa snow load, 2400 Pa wind load

LINEAR PERFORMANCE WARRANTY

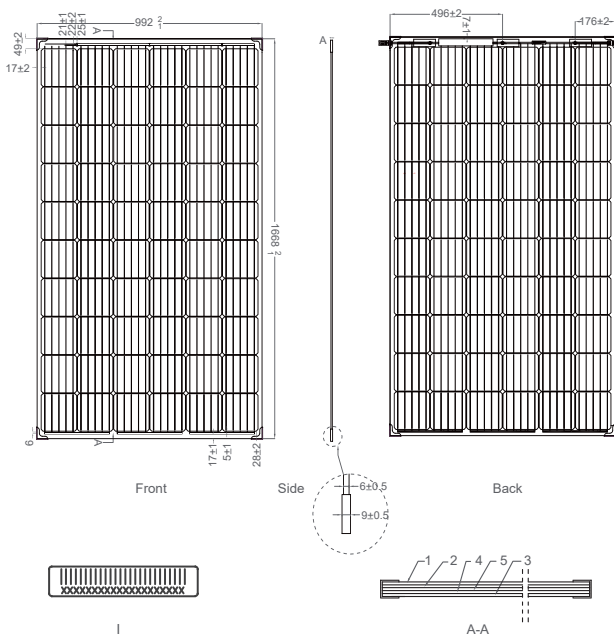
10 Year Product Warranty • 30 Year Linear Power Warranty
0.5% Annual Degradation Over 30 years



- linear performance warranty
- Standard performance warranty
- P Type Bifacial linear performance warranty



Engineering Drawings

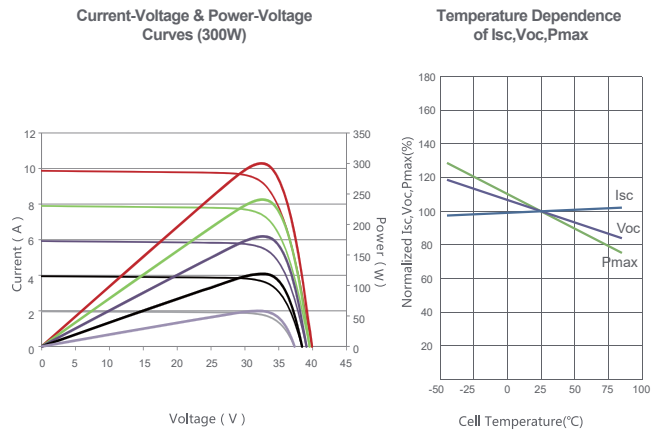


Packaging Configuration

(Two boxes=One pallet)

33pcs/box, 66pcs/pallet, 858 pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|--|
| Cell Type | Mono-crystalline 156×156mm (6 inch) |
| No. of cells | 60 (6×10) |
| Dimensions | 1668x992x6mm(65.67x39.05x0.24 inch, 2.5mm Glass) |
| Weight | 24.2kg(53.4 lbs, 2.5mm Glass) |
| Front Glass | 2.5mm, High transmission, Antireflection coating, heat strengthened glass |
| Back Glass | 2.5mm heat strengthened glass |
| Junction Box | IP67 Rated |
| Output Cables | TUV 1×4.0mm ² positive – 250mm, negative- 150mm or customized length |

SPECIFICATIONS

| Module Type | JKM290M-60-BDVP | | JKM295M-60-BDVP | | JKM300M-60-BDVP | | JKM305M-60-BDVP | | JKM310M-60-BDVP | |
|---|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 290Wp | 216Wp | 295Wp | 219Wp | 300Wp | 223Wp | 305Wp | 227Wp | 310Wp | 232Wp |
| Maximum Power Voltage (Vmp) | 32.1V | 29.2V | 32.3V | 29.4V | 32.4V | 29.5V | 32.6V | 29.7V | 32.8V | 29.9V |
| Maximum Power Current (Imp) | 9.04A | 7.40A | 9.14A | 7.46A | 9.26A | 7.57A | 9.36A | 7.65A | 9.46A | 7.73A |
| Open-circuit Voltage (Voc) | 39.4V | 36.3V | 39.7V | 36.6V | 39.9V | 36.7V | 40.1V | 36.9V | 40.3V | 37.1V |
| Short-circuit Current (Isc) | 9.65A | 7.82A | 9.75A | 7.90A | 9.87A | 7.99A | 9.97A | 8.08A | 10.07A | 8.16A |
| Module Efficiency STC (%) | 17.53% | | 17.83% | | 18.13% | | 18.43% | | 18.74% | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 20A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.40%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.29%/°C | | | | | | | | | |
| Temperature coefficients of Isc | 0.05%/°C | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2°C | | | | | | | | | |
| Refer. Bifacial Factor | 70±3% | | | | | | | | | |

* 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

* Power measurement tolerance: ± 3%