

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.



(PERT)

(5BB)



KEY FEATURES



PID FREE:

No metal frame, complete PID free



Higher Lifetime Power Yield:

Superior Warranty: 30years performance warranty, 0.5% linear power degradation



Saving BOS Cost:

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



Higher power output:

Module power increases 5-30% 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:

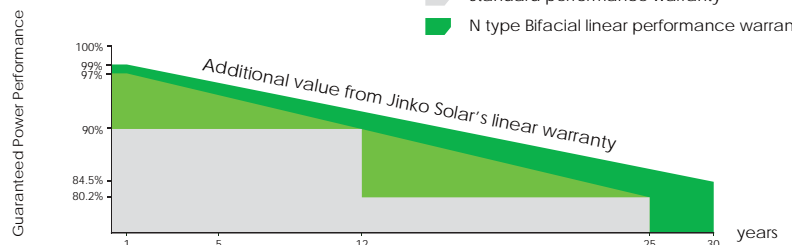
Certified to withstand: wind load (2400pascal) and snow load(5400Pascal)

LINEAR PERFORMANCE WARRANTY

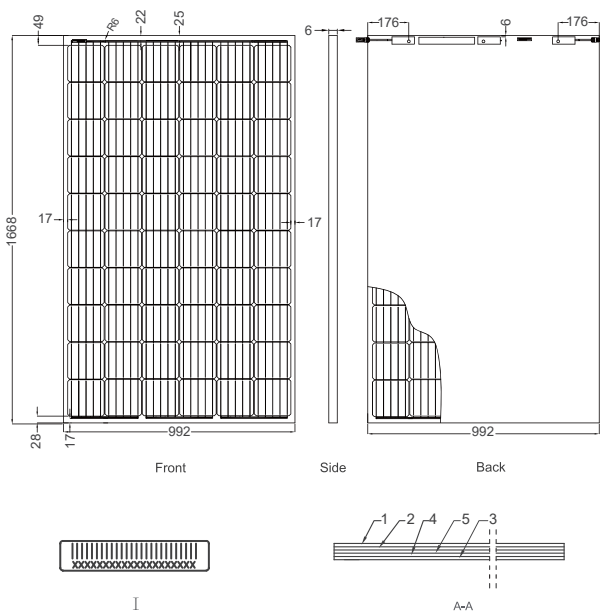
10 Year Product Warranty • 30 Year Linear Power Warranty
0.5% Annual Degradation Over 30 years



- linear performance warranty
- Standard performance warranty
- N type Bifacial linear performance warranty



Engineering Drawings



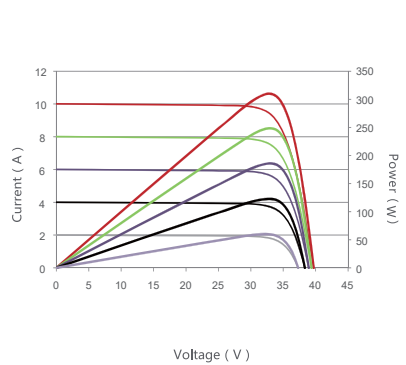
Packaging Configuration

(Two pallets = One stack)

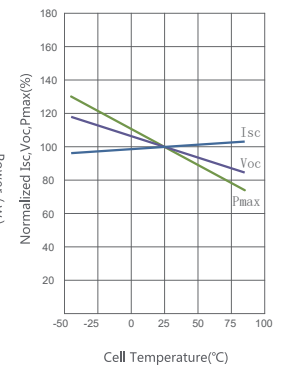
33pcs/pallet, 66pcs/stack, 858 pcs/40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (310W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	N type Mono-crystalline	156×156mm (6 inch)
No. of cells	60 (6×10)	
Dimensions	1668×992×6mm (65.67×39.05×0.24 inch)	
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	TÜV 1×4.0mm ² , Length:280mm or customized length	

SPECIFICATIONS

Module Type	JKM290M-60-BDV		JKM295M-60-BDV		JKM300M-60-BDV		JKM305M-60-BDV		JKM310M-60-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	290Wp	216Wp	295Wp	219Wp	300Wp	223Wp	305Wp	227Wp	310Wp	230Wp
Maximum Power Voltage (Vmp)	31.9V	29.0V	32.1V	29.2V	32.3V	29.4V	32.5V	29.6V	32.7V	29.7V
Maximum Power Current (Imp)	9.12A	7.45A	9.20A	7.51A	9.30A	7.60A	9.41A	7.68A	9.49A	7.76A
Open-circuit Voltage (Voc)	39.1V	36.0V	39.3V	36.2V	39.5V	36.4V	39.7V	36.6V	39.9V	36.7V
Short-circuit Current (Isc)	9.74A	7.89A	9.82A	7.95A	9.92A	8.03A	10.02A	8.12A	10.11A	8.18A
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	-0.39%/°C									
Temperature coefficients of Voc	-0.29%/°C									
Temperature coefficients of Isc	0.05%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

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%