

# Swan Bifacial 60H 310-330 Watt

MONOCRYSTALLINE MODULE

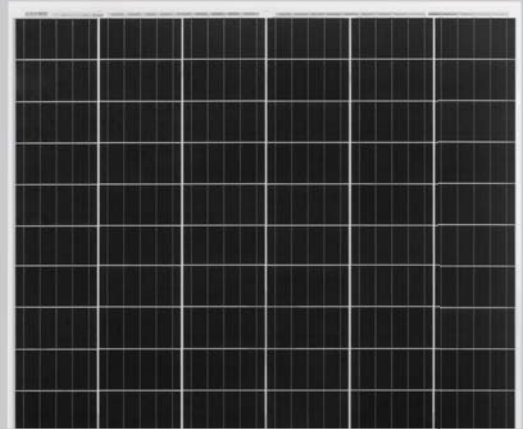
Positive power tolerance of 0~+3%

ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.

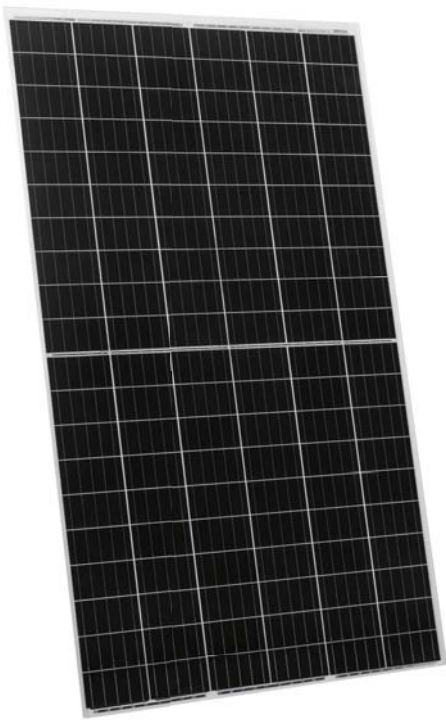
IEC61215、IEC61730 certified products.



PERC



## KEY FEATURES



### 5 Busbar Solar Cell

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



### PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



### 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)  
lower LCOE and higher IRR



### Better low-light performance

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

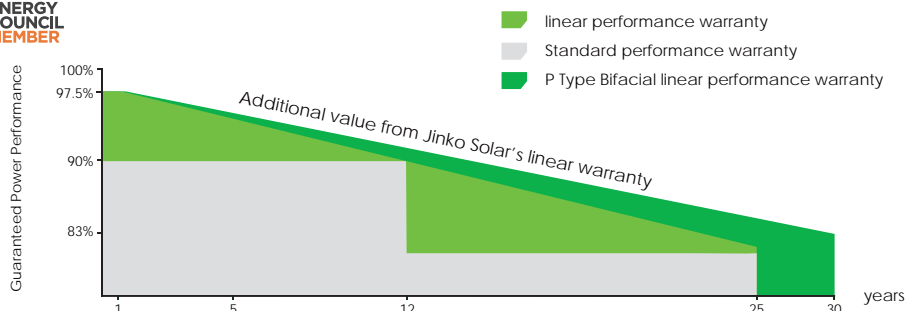


### Strengthened Mechanical Support

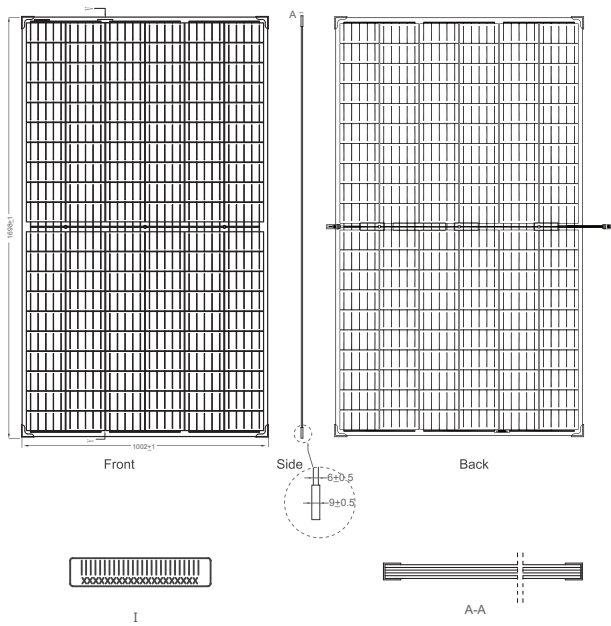
5400 Pa snow load, 2400 Pa wind load

## LINEAR PERFORMANCE WARRANTY

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



## Engineering Drawings

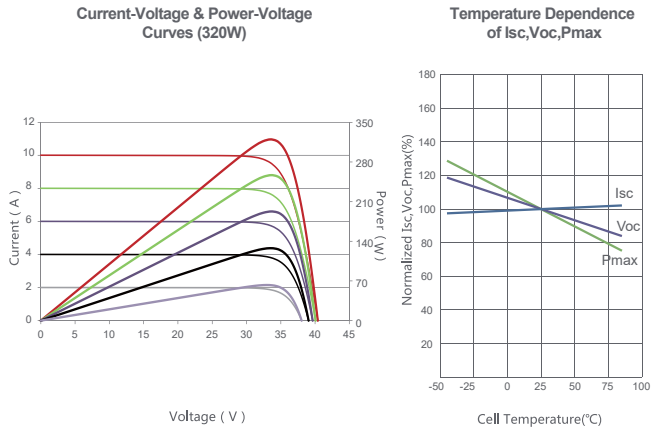


## Packaging Configuration

( Two pallets = One stack )

33pcs/pallet, 66pcs/stack, 792pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of cells	120 (6×20)
Dimensions	1698x1002x6mm (66.85x39.45x0.24 inch)
Weight	24.0kg (52.9 Ibs)
Front Glass	2.5mm, Anti-Reflection Coating
Back Glass	2.5mm heat strengthened glass
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 250mm, (-): 150mm or customized length

## SPECIFICATIONS

Module Type	JKM310M-60H-BDVP		JKM315M-60H-BDVP		JKM320M-60H-BDVP		JKM325M-60H-BDVP		JKM330M-60H-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	310Wp	231Wp	315Wp	235Wp	320Wp	239Wp	325Wp	242Wp	330Wp	246Wp
Maximum Power Voltage (Vmp)	33.1V	30.0V	33.4V	30.3V	33.6V	30.5V	33.9V	30.7V	34.2V	31.0V
Maximum Power Current (Imp)	9.37A	7.70A	9.44A	7.76A	9.52A	7.82A	9.59A	7.89A	9.66A	7.94A
Open-circuit Voltage (Voc)	39.8V	36.6V	40.1V	36.9V	40.4V	37.1V	40.7V	37.4V	41.0V	37.7V
Short-circuit Current (Isc)	9.87A	7.99A	9.95A	8.06A	10.01A	8.12A	10.08A	8.17A	10.16A	8.22A
Module Efficiency STC (%)	18.22%		18.51%		18.81%		19.10%		19.40%	
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	-0.36%/°C									
Temperature coefficients of Voc	-0.29%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	70±5%									

## BIFACIAL OUTPUT-REARSIDE POWER GAIN

		JKM310M-60H-BDVP	JKM315M-60H-BDVP	JKM320M-60H-BDVP	JKM325M-60H-BDVP	JKM330M-60H-BDVP
5%	Maximum Power (Pmax)	326Wp	331Wp	336Wp	341Wp	347Wp
	Module Efficiency STC (%)	19.13%	19.44%	19.75%	20.06%	20.37%
15%	Maximum Power (Pmax)	357Wp	362Wp	368Wp	374Wp	380Wp
	Module Efficiency STC (%)	20.95%	21.29%	21.63%	21.97%	22.31%
25%	Maximum Power (Pmax)	388Wp	394Wp	400Wp	406Wp	413Wp
	Module Efficiency STC (%)	22.78%	23.14%	23.51%	23.88%	24.24%

\* STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C

AM=1.5

AM=1.5

Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. JKM310-330M-60H-BDVP-A2-EN