

# Swan Bifacial 60H 320-340 Watt

MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2015-ISO14001:2015-ISO45001:2018 certified factory.

IEC61215 (2016) 、 IEC61730(2016) 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.)

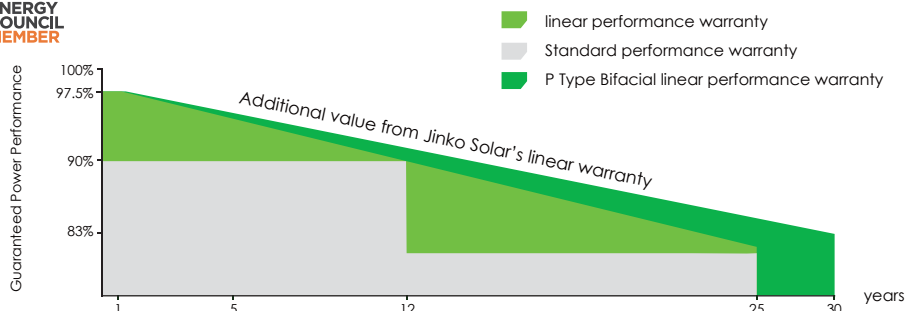


### Strengthened Mechanical Support

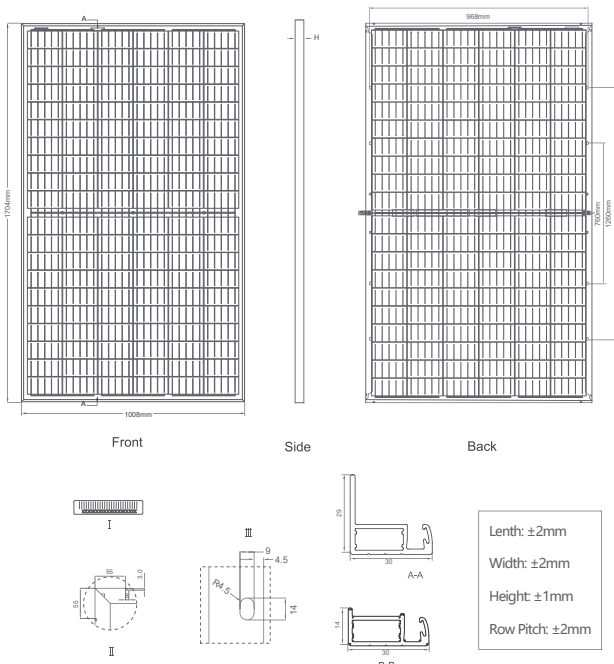
5400 Pa snow load, 2400 Pa wind load

## LINEAR PERFORMANCE WARRANTY

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



## Engineering Drawings

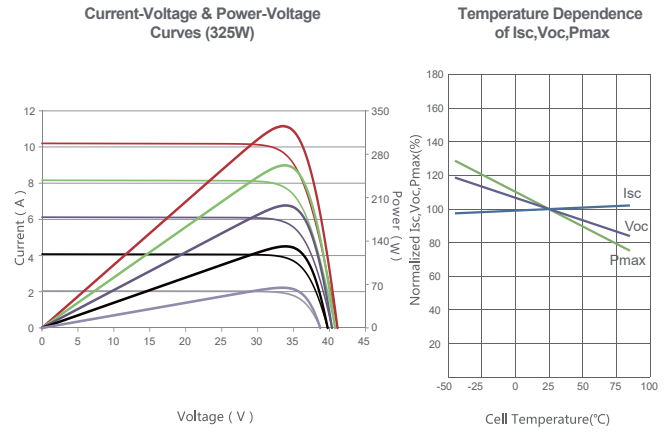


## Packaging Configuration

( Two pallets = One stack )

35pcs/pallet, 70pcs/stack, 910pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of cells	120 (6×20)
Dimensions	1704×1008×30mm (67.09×39.69×1.18 inch)
Weight	22.4kg (49.38 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 250mm, (-): 150mm or customized length

## SPECIFICATIONS

Module Type	JKM320M-60H-BDVP		JKM325M-60H-BDVP		JKM330M-60H-BDVP		JKM335M-60H-BDVP		JKM340M-60H-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	320Wp	238Wp	325Wp	242Wp	330Wp	246Wp	335Wp	249Wp	340Wp	253Wp
Maximum Power Voltage (Vmp)	32.90V	30.76V	33.10V	30.96V	33.24V	31.12V	33.40V	31.31V	34.62V	31.50V
Maximum Power Current (Imp)	9.73A	7.74A	9.82A	7.81A	9.93A	7.89A	10.03A	7.96A	10.11A	8.03A
Open-circuit Voltage (Voc)	40.10V	37.77V	40.30V	37.96V	40.39V	38.04V	40.46V	38.11V	40.60V	38.24V
Short-circuit Current (Isc)	10.17A	8.21A	10.25A	8.28A	10.35A	8.36A	10.44A	8.43A	10.53A	8.50A
Module Efficiency STC (%)	18.63%		18.92%		19.21%		19.50%		19.79%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°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

		320Wp	325Wp	330Wp	335Wp	340Wp
5%	Maximum Power (Pmax)	336Wp	341Wp	347Wp	352Wp	357Wp
	Module Efficiency STC (%)	19.55%	19.86%	20.16%	20.48%	20.78%
15%	Maximum Power (Pmax)	368Wp	374Wp	380Wp	385Wp	391Wp
	Module Efficiency STC (%)	21.41%	21.75%	22.08%	22.43%	22.76%
25%	Maximum Power (Pmax)	400Wp	406Wp	413Wp	419Wp	425Wp
	Module Efficiency STC (%)	23.27%	23.64%	24.00%	24.38%	24.74%

\* 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%