

# Swan Bifacial 72H 385-405 Watt

MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory.

IEC61215, IEC61730, UL1703 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.)

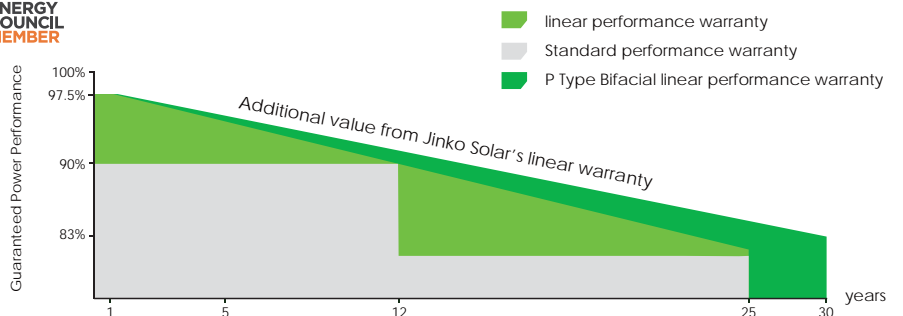


### Strengthened Mechanical Support

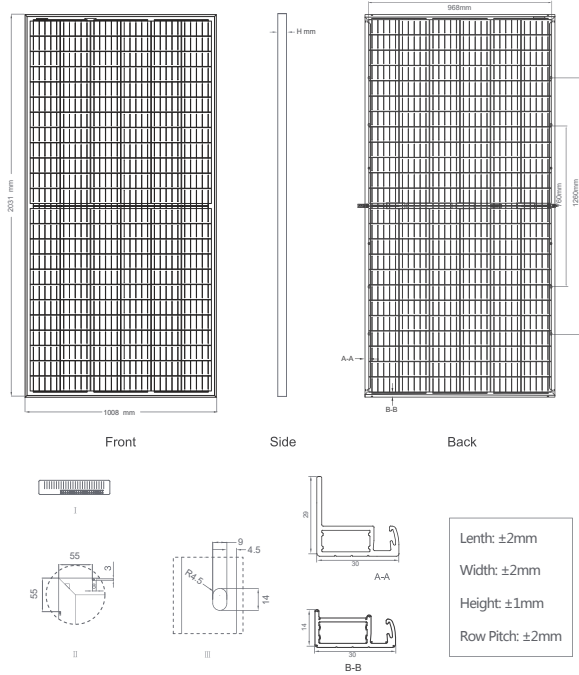
5400 Pa snow load, 2400 Pa wind load

## LINEAR PERFORMANCE WARRANTY

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



## Engineering Drawings

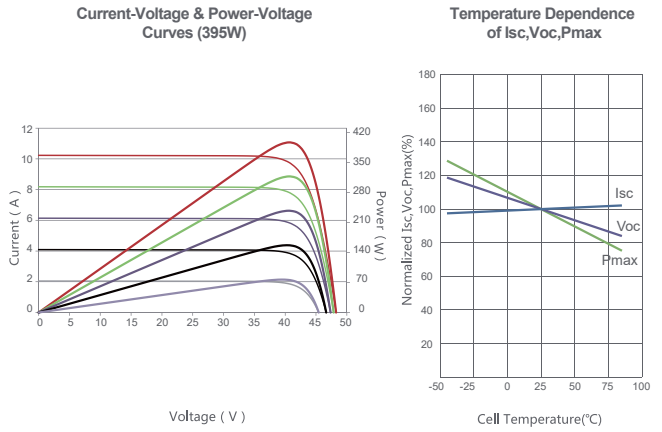


## Packaging Configuration

( Two pallets = One stack )

35pcs/pallets, 70pcs/stack, 770pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm
No. of cells	144 (6×24)
Dimensions	2031×1008×30mm (79.96×39.69×1.18 inch)
Weight	26.6kg (58.64 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	JKM385M-72H-BDVP		JKM390M-72H-BDVP		JKM395M-72H-BDVP		JKM400M-72H-BDVP		JKM405M-72H-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	385Wp	285Wp	390Wp	289Wp	395Wp	293Wp	400Wp	296Wp	405Wp	300Wp
Maximum Power Voltage (Vmp)	40.3V	36.6V	40.6V	36.8V	40.8V	37.0V	41.0V	37.2V	41.2V	37.4V
Maximum Power Current (Imp)	9.56A	7.80A	9.62A	7.86A	9.69A	7.92A	9.76A	7.97A	9.83A	8.03A
Open-circuit Voltage (Voc)	48.1V	44.2V	48.3V	44.4V	48.5V	44.6V	48.8V	44.8V	49.0V	45.0V
Short-circuit Current (Isc)	10.04A	8.13A	10.11A	8.18A	10.17A	8.24A	10.24A	8.29A	10.30A	8.34A
Module Efficiency STC (%)	18.81%		19.05%		19.29%		19.54%		19.78%	
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	-0.35%/°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-REAR SIDE POWER GAIN

		Bifacial Gain (%)				
		5%	15%	25%	35%	45%
5%	Maximum Power (Pmax)	404Wp	410Wp	415Wp	420Wp	425Wp
	Module Efficiency STC (%)	19.75%	20.00%	20.26%	20.52%	20.77%
15%	Maximum Power (Pmax)	443Wp	449Wp	454Wp	460Wp	466Wp
	Module Efficiency STC (%)	21.63%	21.91%	22.19%	22.47%	22.75%
25%	Maximum Power (Pmax)	481Wp	488Wp	494Wp	500Wp	506Wp
	Module Efficiency STC (%)	23.51%	23.81%	24.12%	24.42%	24.73%

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

AM=1.5

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

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.  
SWAN DG JKM385-405M-72H-BDVP-F30-A1-EN