



THE MOST DEPENDABLE SOLAR PRODUCT

EAGLE 72 G6B

565-585 WATT • N-TYPE BIFACIAL

Positive power tolerance of 0~+3%

- NYSE-listed since 2010, Bloomberg Tier 1 manufacturer
- Top performance in the strictest 3rd party labs
- Automated manufacturing utilizing artificial intelligence
- Vertically integrated, tight controls on quality
- Premium solar factories in USA, Vietnam, and Malaysia

KEY FEATURES



N-Type Technology

N-type cells offer Jinko's in-house TOPCon technology with better performance and improved reliability.



Multi Busbar Half Cell Technology

Better light trapping and current collection to improve module power output and reliability.



Bifacial Power Gain

N-Type architecture increases bifaciality for higher backside bonus and better lifetime yield.



Low Temperature Coefficient

Best in class temperature coefficient for highest lifetime energy yield in all climates.



Industrial Grade Construction

Fire Type 29 with optimized dual-glass construction and thick frame for highest mechanical load resistance.



Shade Tolerant

Twin array design allows continued performance even with shading by trees or debris.



Protected Against All Environments

Certified to withstand humidity, heat, rain, marine environments, wind, hailstorms, and packed snow.



Warranty

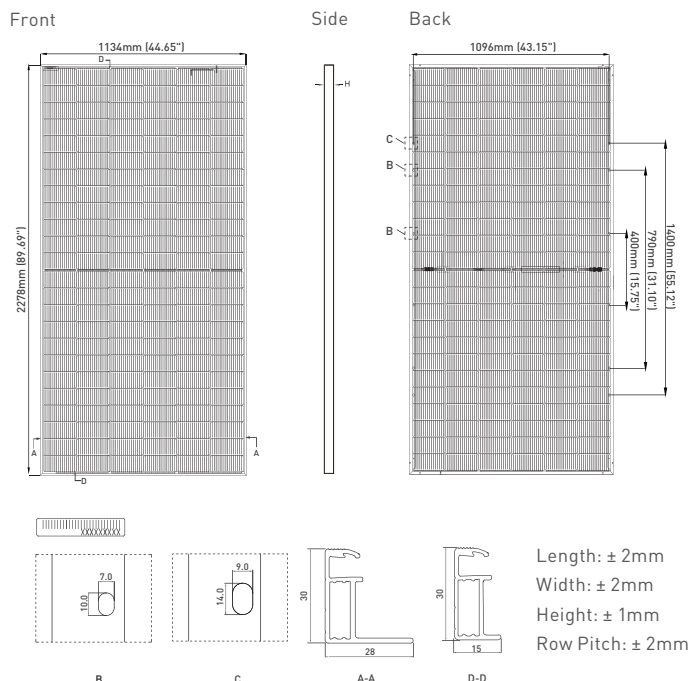
12-year product and 30-year linear power warranty.

- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- IEC61215, IEC61730 certified products

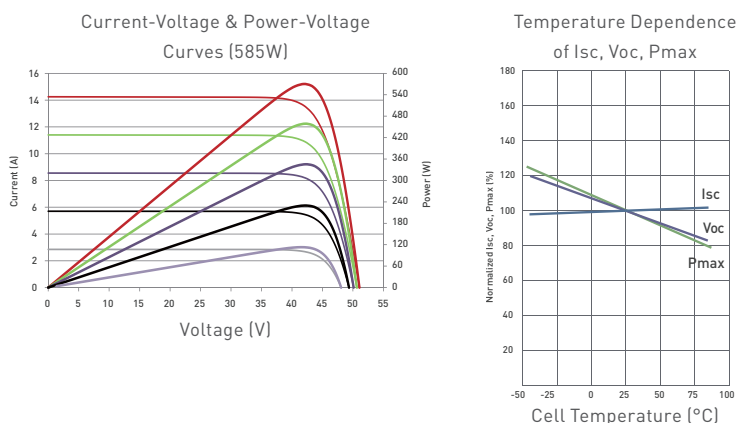
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products



ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



MECHANICAL CHARACTERISTICS

No. of Half Cells	144 (2 x 72)
Dimensions	2278 x 1134 x 30mm (89.69 x 44.65 x 1.18in)
Weight	31kg (68.34lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	12 AWG, 1400mm (55.12in)
Fire Type	Type 29
Pressure Rating	5400Pa (Snow) & 2400Pa (Wind)

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of P_{max}	$-0.29\%/^{\circ}\text{C}$
Temperature Coefficients of V_{oc}	$-0.25\%/^{\circ}\text{C}$
Temperature Coefficients of I_{sc}	$0.045\%/^{\circ}\text{C}$
Nominal Operating Cell Temperature (NOCT)	$45\pm 2^{\circ}\text{C}$
Bifacial Factor	$80\pm 5\%$

MAXIMUM RATINGS

Operating Temperature ($^{\circ}\text{C}$)	$-40^{\circ}\text{C}\sim +85^{\circ}\text{C}$
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

PACKAGING CONFIGURATION

(Two pallets = One stack)
36pcs/pallets, 72pcs/stack, 576pcs/40 HQ Container

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		593Wp	598Wp	604Wp	609Wp	614Wp
5%	Maximum Power (P_{max})	593Wp	598Wp	604Wp	609Wp	614Wp
	Module Efficiency (%)	22.97%	23.17%	23.37%	23.57%	23.78%
15%	Maximum Power (P_{max})	650Wp	656Wp	661Wp	667Wp	672Wp
	Module Efficiency (%)	25.15%	25.38%	25.60%	25.82%	26.05%
25%	Maximum Power (P_{max})	706Wp	713Wp	719Wp	725Wp	731Wp
	Module Efficiency (%)	27.34%	27.59%	27.83%	28.06%	28.31%

WARRANTY

12-year product and 30-year linear power warranty

1st year degradation not to exceed 1%, each subsequent year not to exceed 0.4%, minimum power at year 30 is 87.4% or greater.

ELECTRICAL CHARACTERISTICS

Module Type	JKM565N-72HL4-BDV		JKM570N-72HL4-BDV		JKM575N-72HL4-BDV		JKM580N-72HL4-BDV		JKM585N-72HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P_{max})	565Wp	426Wp	570Wp	430Wp	575Wp	433Wp	580Wp	437Wp	585Wp	441Wp
Maximum Power Voltage (V_{mp})	43.43V	40.40V	43.58V	40.56V	43.73V	40.73V	43.88V	40.89V	44.02V	41.05V
Maximum Power Current (I_{mp})	13.01A	10.54A	13.08A	10.59A	13.15A	10.64A	13.22A	10.69A	13.29A	10.74A
Open-circuit Voltage (V_{oc})	51.90V	39.44V	52.10V	39.60V	52.30V	39.75V	52.50V	39.90V	52.70V	40.05V
Short-circuit Current (I_{sc})	13.77A	11.12A	13.83A	11.16A	13.89A	11.21A	13.95A	11.26A	14.01A	11.31A
Module Efficiency STC (%)	21.87%		22.07%		22.26%		22.45%		22.65%	

*STC: ☀ Irradiance 1000W/m²

NOCT: ☀ Irradiance 800W/m²

🌡 Cell Temperature 25°C

🌡 Ambient Temperature 20°C

☁ AM = 1.5

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🌀 Wind Speed 1m/s

*Power measurement tolerance: $\pm 3\%$

The company reserves the final right for explanation on any of the information presented hereby. JKM565-585N-72HL4-BDV-F30-F4-US

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