

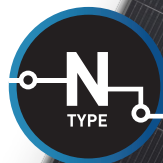


THE MOST DEPENDABLE SOLAR PRODUCT

EAGLE® G6B

580-600 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 and Vietnam

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 aluminum 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

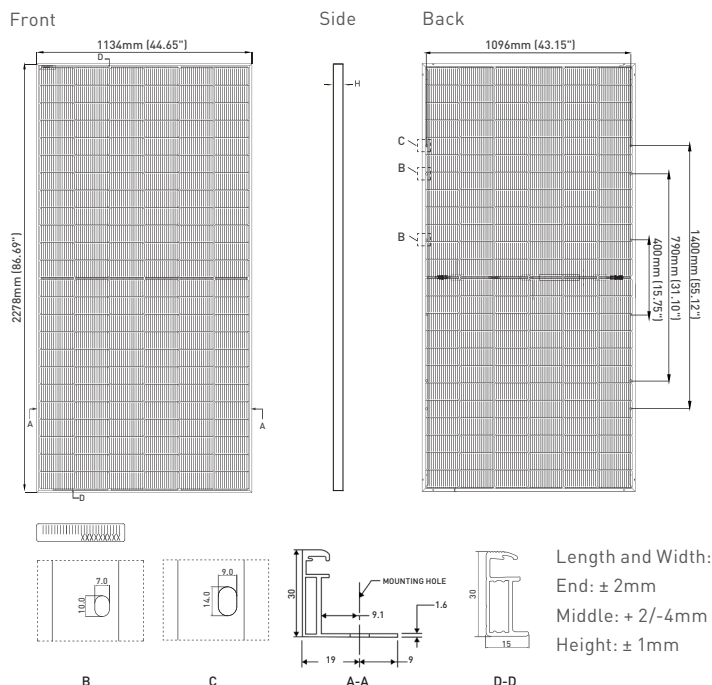
12-year product and 30-year linear power warranty.

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

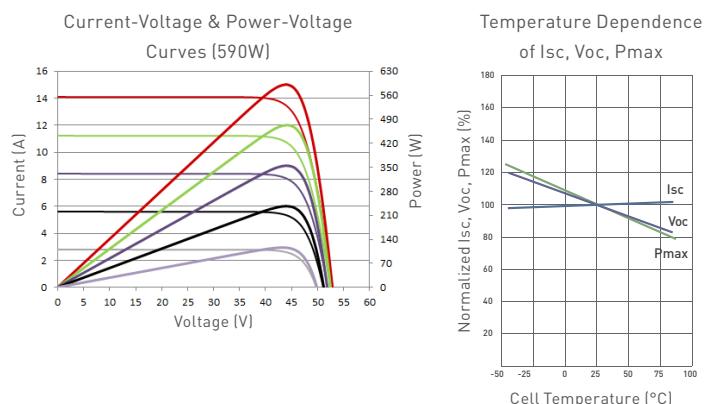
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products



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)
Hailstone Test	45mm Hailstone at 30.7m/s

TEMPERATURE CHARACTERISTICS

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

MAXIMUM RATINGS

Operating Temperature (°C)	-40°C~+85°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

5%	Maximum Power (P_{max})	609Wp	614Wp	620Wp	625Wp	630Wp
	Module Efficiency (%)	23.57%	23.78%	23.98%	24.18%	24.39%
15%	Maximum Power (P_{max})	667Wp	672Wp	679Wp	684Wp	690Wp
	Module Efficiency (%)	25.82%	26.05%	26.27%	26.49%	26.71%
25%	Maximum Power (P_{max})	725Wp	731Wp	738Wp	744Wp	750Wp
	Module Efficiency (%)	28.06%	28.31%	28.55%	28.79%	29.03%

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	JKM580N-72HL4-BDV		JKM585N-72HL4-BDV		JKM590N-72HL4-BDV		JKM595N-72HL4-BDV		JKM600N-72HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P_{max})	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp	595Wp	448Wp	600Wp	452Wp
Maximum Power Voltage (V_{mp})	43.88V	40.89V	44.02V	41.05V	44.17V	41.21V	44.31V	41.36V	44.45V	41.52V
Maximum Power Current (I_{mp})	13.22A	10.69A	13.29A	10.74A	13.36A	10.79A	13.43A	10.84A	13.50A	10.89A
Open-circuit Voltage (V_{oc})	52.50V	49.87V	52.70V	50.06V	52.90V	50.25V	53.10V	50.44V	53.30V	50.63V
Short-circuit Current (I_{sc})	13.95A	11.26A	14.01A	11.31A	14.07A	11.36A	14.13A	11.41A	14.19A	11.45A
Module Efficiency STC (%)	22.45%		22.65%		22.84%		23.03%		23.23%	

*STC: ☀ Irradiance 1000W/m²

NOCT: ☀ Irradiance 800W/m²

🌡 Cell Temperature 25°C

🌡 Ambient Temperature 20°C

☁ AM = 1.5

☁ AM = 1.5

🌀 Wind Speed 1m/s

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

The company reserves the final right for explanation on any of the information presented hereby. JKM580-600N-72HL4-BDV-F30R-F2-US

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Jinko Solar