



THE MOST DEPENDABLE SOLAR PRODUCT



EAGLE® G6X

580-600 WATT • EXTREME WEATHER SOLUTION

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



Highest Hail Resistance

Unique module construction featuring EAGLE® Talon Glass™
Tested and certified to withstand hail strikes of up to 55mm



N-Type Technology

Jinko's in-house TOPCon technology
Better performance and improved reliability



Enhanced Mechanical Strength

Tested and certified to withstand:
6000 PA front side max static test load
5400 PA rear side max static test load



Highest Fire Rating

Fire Type 30 (UL) and Class A (IEC)

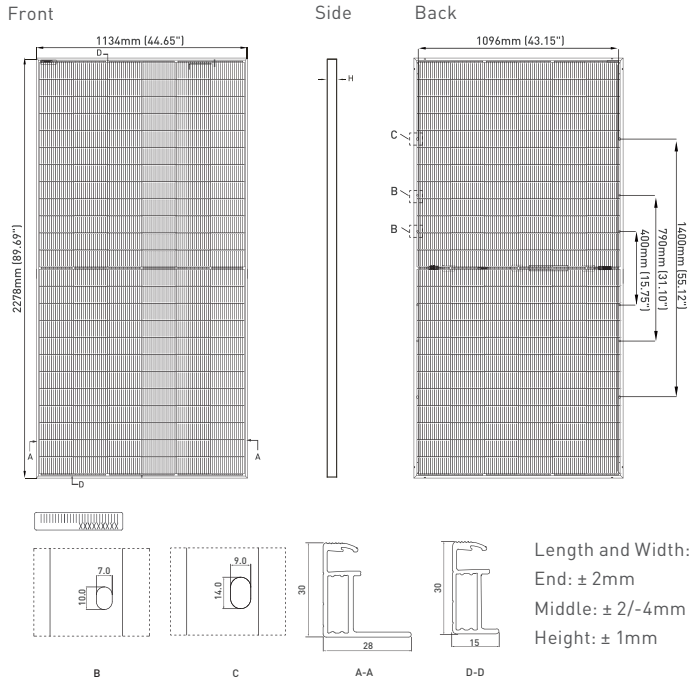


- ISO9001:2015 Quality Standards
- ISO14001:2015 Environmental Standards
- IEC61215, IEC61730 certified products

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



ENGINEERING DRAWINGS



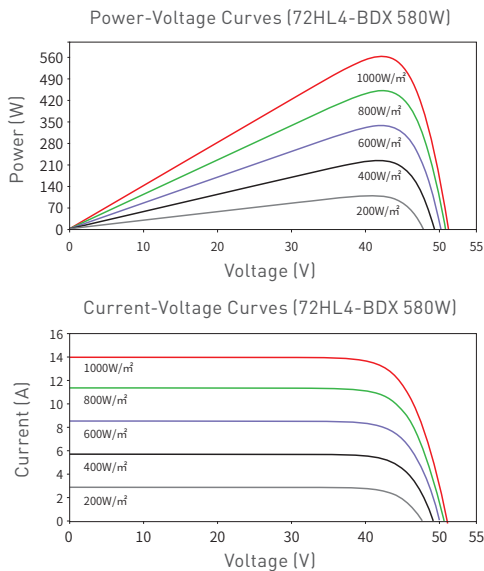
MECHANICAL CHARACTERISTICS

No. of Half Cells	144 (2 x 72)
Dimensions	2278 x 1134 x 30mm (89.69 x 44.65 x 1.18in)
Weight	37.7kg (83.11lbs)
Front Glass	EAGLE® Talon Glass™ with Anti-Reflection Coating
Back Glass	EAGLE® Talon Glass™
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	12 AWG, 1400mm (55.12in)
Fire Type	Type 30
Pressure Rating	Front Side 6000Pa (Snow) & Rear Side 5400Pa (Wind)
Hailstone Test	55mm Hailstone at 33.9m/s

TEMPERATURE CHARACTERISTICS

Temperature Coefficients of Pmax	-0.29%/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	0.045%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

ELECTRICAL PERFORMANCE



OPERATING PARAMETERS

Operating Temperature (°C)	-45°C~+70°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Bifacial Factor	80±5%
Fire Rating	Type 30 (UL), Class A (IEC)

PACKAGING CONFIGURATION

(Two pallets = One stack)
36 pcs/pallet, 13 pallet/container, 468 pcs/40' HQ container

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-BDX		JKM585N-72HL4-BDX		JKM590N-72HL4-BDX		JKM595N-72HL4-BDX		JKM600N-72HL4-BDX	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp	595Wp	448Wp	600Wp	452Wp
Maximum Power Voltage (Vmp)	43.88V	40.89V	44.02V	41.05V	44.17V	41.21V	44.31V	41.36V	44.45V	41.52V
Maximum Power Current (Imp)	13.22A	10.69A	13.29A	10.74A	13.36A	10.79A	13.43A	10.84A	13.50A	10.89A
Open-circuit Voltage (Voc)	52.50V	49.87V	52.70V	50.06V	52.90V	50.25V	53.10V	50.44V	53.30V	50.63V
Short-circuit Current (Isc)	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

*Power measurement tolerance: ±3%

🌡 Cell Temperature 25°C

🌡 Ambient Temperature 20°C

☁ AM = 1.5

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🌬 Wind Speed 1m/s

The company reserves the final right for explanation on any of the information presented hereby. JKM580-600N-72HL4-BDX-F30R-F1-US

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