



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 and Vietnam

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

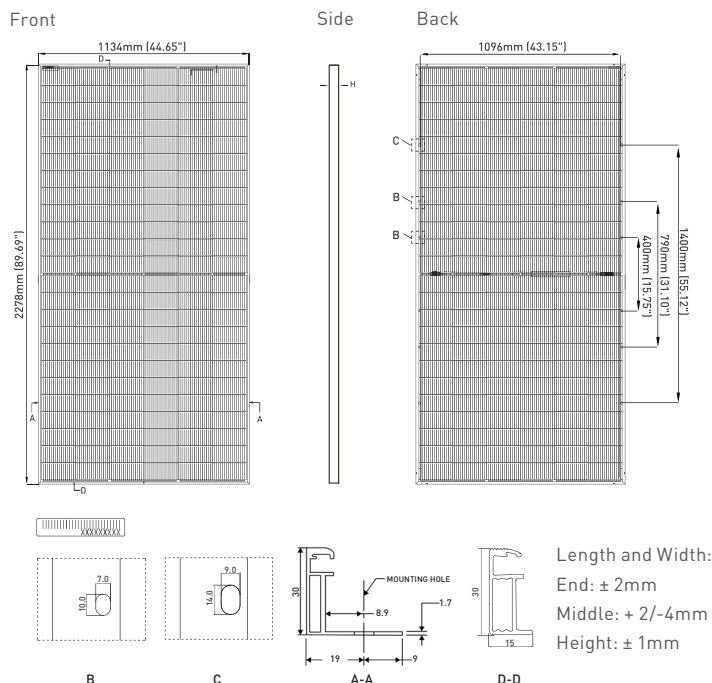
Fire Type 30 (UL) and Class A (IEC)

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

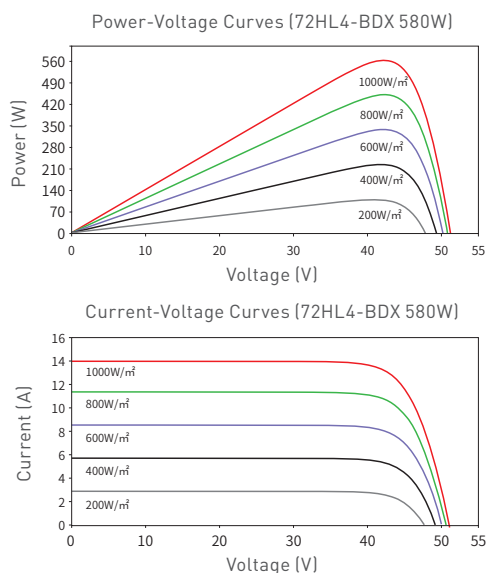
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products



ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE



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 (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

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

🌡 Cell Temperature 25°C

🌡 Ambient Temperature 20°C

☁ AM = 1.5

☁ AM = 1.5

🌬 Wind Speed 1m/s

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 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

OPERATING PARAMETERS

Operating Temperature (°C)	-45°C~+70°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Bifacial Factor	80 $\pm$ 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.

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

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Jinko Solar