

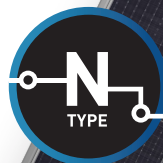


THE MOST DEPENDABLE SOLAR PRODUCT

EAGLE® G7B

615-640 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.



Enhanced Mechanical Strength

Tested and certified to withstand:
5400 PA front side max static test load
2400 PA rear side max static test load



Warranty

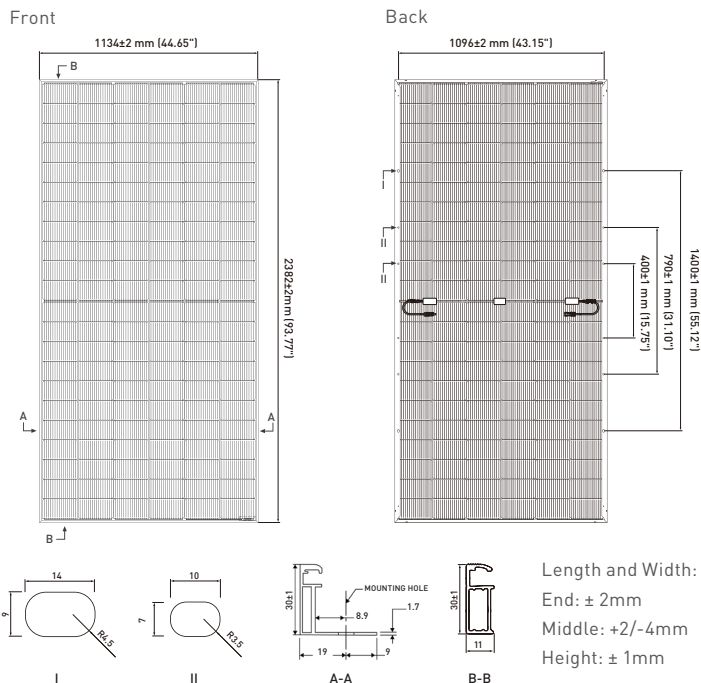
12-year product and 30-year linear power warranty.

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

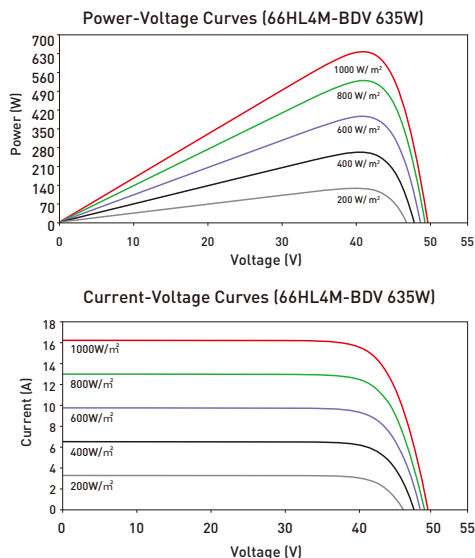
- ISO45001:2018 Occupational Health & Safety Standards
- UL61730 certified products



ENGINEERING DRAWINGS



ELECTRICAL PERFORMANCE



ELECTRICAL CHARACTERISTICS

Module Type	JKM615N-66HL4M-BDV		JKM620N-66HL4M-BDV		JKM625N-66HL4M-BDV		JKM630N-66HL4M-BDV		JKM635N-66HL4M-BDV		JKM640N-66HL4M-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max})	615Wp	464Wp	620Wp	468Wp	625Wp	472Wp	630Wp	476Wp	635Wp	480Wp	640Wp	484Wp
Maximum Power Voltage (V _{mp})	40.60V	38.10V	40.74V	38.25V	40.88V	38.44V	41.02V	38.62V	41.16V	38.82V	41.30V	39.00V
Maximum Power Current (I _{mp})	15.15A	12.19A	15.22A	12.24A	15.29A	12.28A	15.36A	12.32A	15.43A	12.36A	15.50A	12.40A
Open-circuit Voltage (V _{oc})	48.88V	46.43V	49.08V	46.62V	49.28V	46.81V	49.48V	47.00V	49.68V	47.19V	49.88V	47.38V
Short-circuit Current (I _{sc})	16.02A	12.93A	16.08A	12.98A	16.14A	13.03A	16.20A	13.08A	16.26A	13.13A	16.32A	13.18A
Module Efficiency STC (%)	22.77%		22.95%		23.14%		23.32%		23.51%		23.69%	

*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: ±3%

MECHANICAL CHARACTERISTICS

No. of Half Cells	132 (2 x 66)
Dimensions	2382 x 1134 x 30mm (93.77 x 44.65 x 1.18in)
Weight	32.4kg (71.42lbs)
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%/°C
Temperature Coefficients of V _{oc}	-0.25%/°C
Temperature Coefficients of I _{sc}	0.045%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Bifacial Factor	80±5%

MAXIMUM RATINGS

Operating Temperature (°C)	-40°C - +85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	35A

PACKAGING CONFIGURATION

[Two pallets = One stack]
36pcs/pallet, 14pallets/container, 504pcs/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.