

Tiger Pro 78HC

575-595 Watt

MONO-FACIAL MODULE

P-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

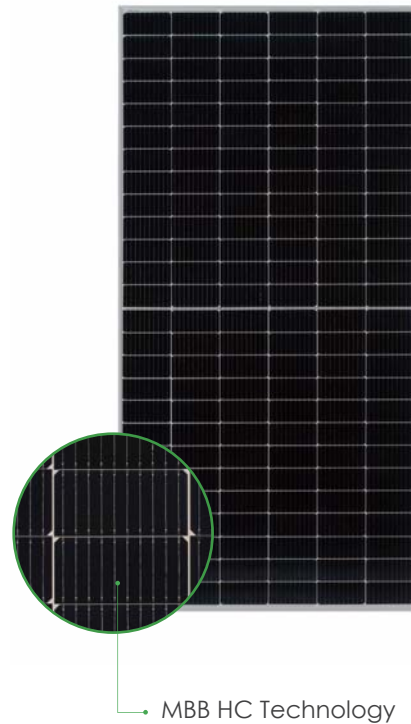
ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems

Made in China/ Malaysia/ U.S./Vietnam



Key Features



Multi Busbar Technology

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

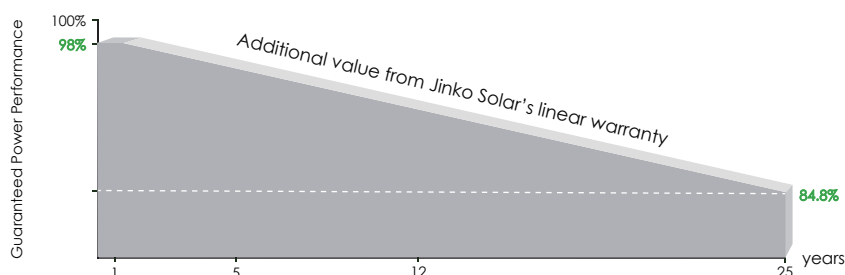


Longer Life-time Power Yield

0.55% annual power degradation and 25 year linear power warranty.



LINEAR PERFORMANCE WARRANTY

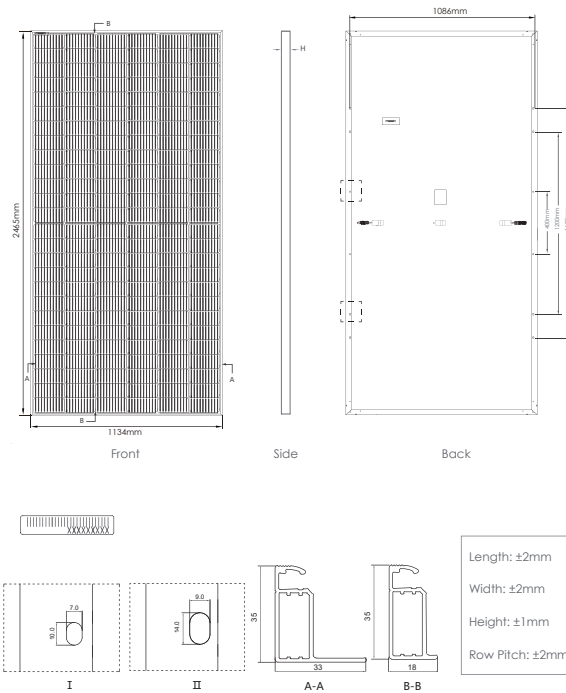


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

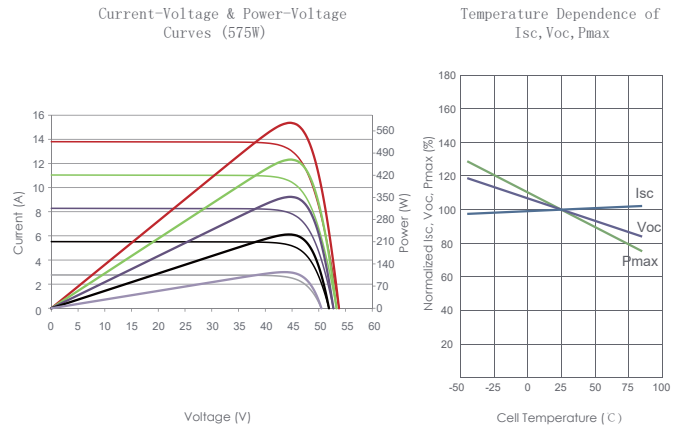


Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 496pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2465×1134×35mm (97.05×44.65×1.38 inch)
Weight	31.2 kg (68.78 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length
Connector	Staubli MC4, MC4-EVO2 ; JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

SPECIFICATIONS

Module Type

	JKM575M-78HL4-V		JKM580M-78HL4-V		JKM585M-78HL4-V		JKM590M-78HL4-V		JKM595M-78HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	575Wp	428Wp	580Wp	432Wp	585Wp	435Wp	590Wp	439Wp	595Wp	443Wp
Maximum Power Voltage (Vmp)	44.89V	41.49V	45.00V	41.61V	45.11V	41.73V	45.21V	41.85V	45.32V	41.96V
Maximum Power Current (Imp)	12.81A	10.31A	12.89A	10.37A	12.97A	10.43A	13.05A	10.49A	13.13A	10.55A
Open-circuit Voltage (Voc)	53.56V	50.55V	53.67V	50.66V	53.78V	50.76V	53.89V	50.87V	54.00V	50.97V
Short-circuit Current (Isc)	13.64A	11.02A	13.72A	11.08A	13.80A	11.15A	13.88A	11.21A	13.96A	11.28A
Module Efficiency STC (%)	20.57%		20.75%		20.93%		21.11%		21.29%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

*STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

*Power measurement tolerance: +/-3%

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Specifications included in this datasheet are subject to change without notice.

JKM575-595M-78HL4-(V)-D2-EN