

Tiger Pro 72HC

540-560 Watt

MONO-FACIAL MODULE

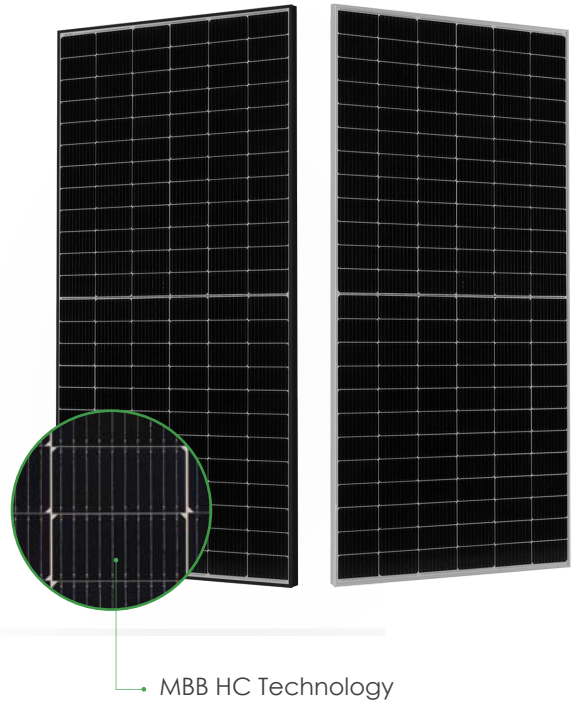
P-Type

IEC61215(2021), IEC61730(2023)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems
(Made in China)



MBB HC Technology

Key Features



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:
5400 Pa front side max static test load
2400 Pa rear side max static test load



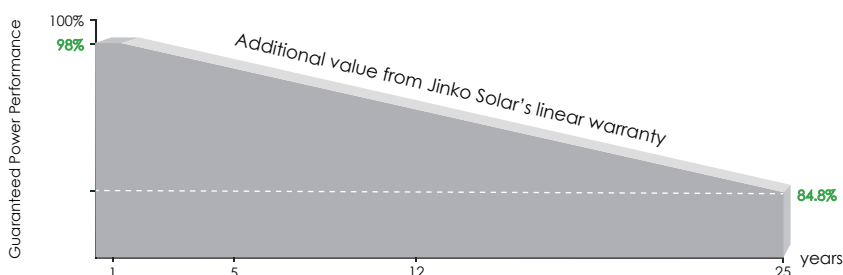
Longer Life-time Power Yield

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



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

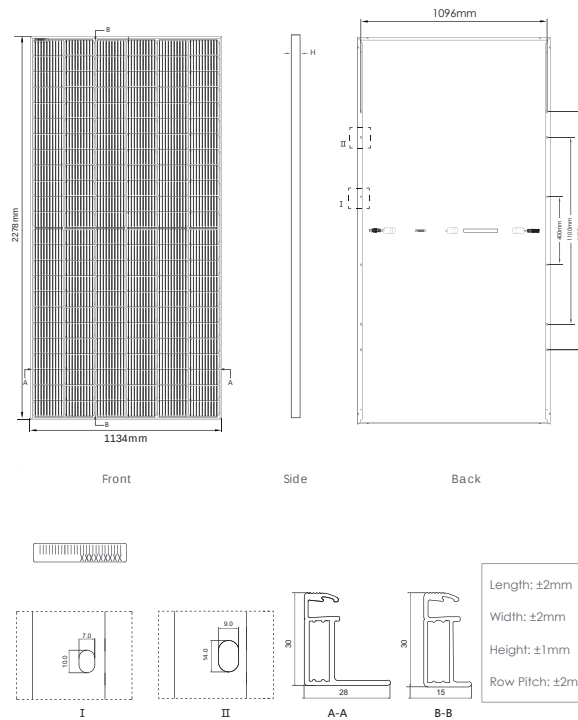


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

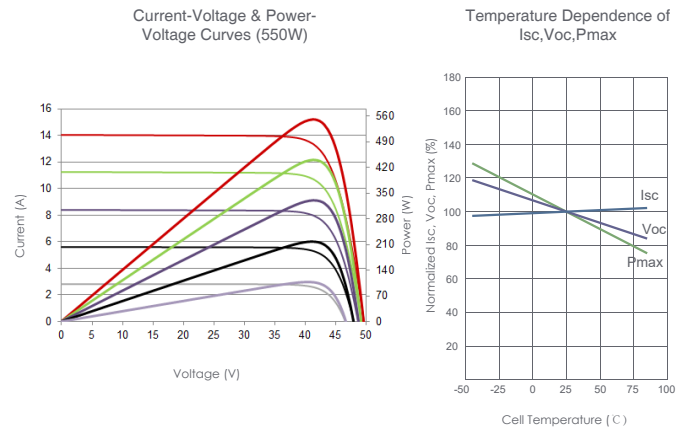


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)
Weight	27 kg (59.52 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 Type	1000V: Staubli MC4-JK03M/2B, JK03M2/2B, Jinko PV material 1500V: Staubli MC4-EVO2-JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM540M-72HL4 JKM540M-72HL4-V	JKM545M-72HL4 JKM545M-72HL4-V	JKM550M-72HL4 JKM550M-72HL4-V	JKM555M-72HL4 JKM555M-72HL4-V	JKM560M-72HL4 JKM560M-72HL4-V
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	540Wp	545Wp	550Wp	555Wp	560Wp
Maximum Power Voltage (Vmp)	40.70V	40.80V	40.90V	40.99V	41.09V
Maximum Power Current (Imp)	13.27A	13.36A	13.45A	13.54A	13.63A
Open-circuit Voltage (Voc)	49.42V	49.52V	49.62V	49.72V	49.82V
Short-circuit Current (Isc)	13.85A	13.94A	14.03A	14.12A	14.21A
Module Efficiency STC (%)	20.90%	21.10%	21.29%	21.48%	21.68%
Operating Temperature(°C)	-40°C~+70°C				
Maximum system voltage	1000/1500VDC (IEC) with -V=1500V, without -V=1000V				
Maximum series fuse rating	25A				
Power measurement tolerance	±3%				
Power sorting 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