

Tiger Pro 72HC-TV

525-545 Watt

BIFACIAL MODULE WITH
TRANSPARENT BACKSHEET

P-Type

Positive power tolerance of 0~+3%

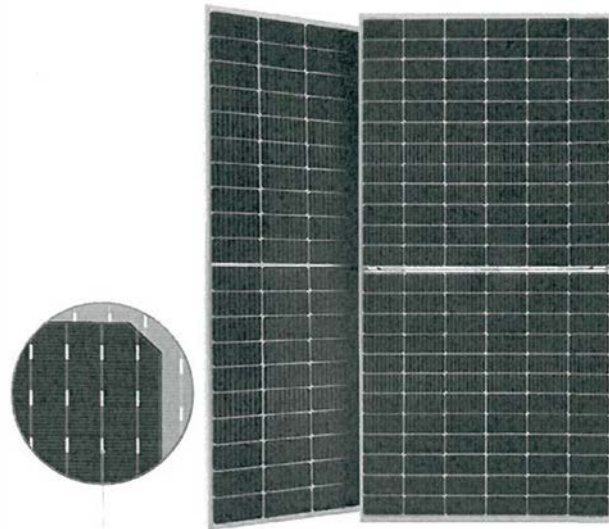
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



— Bifacial Technology

Key Features



Multi Busbar Technology

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



Light-weight design

Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



Longer Life-time Power Yield

0.45% annual power degradation and 30 year linear power warranty.



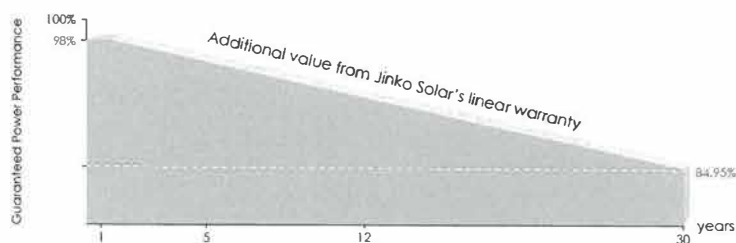
Enhanced Mechanical Load

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



POSITIVE QUALITY
Continuously Quality Assurance

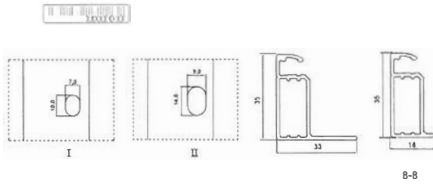
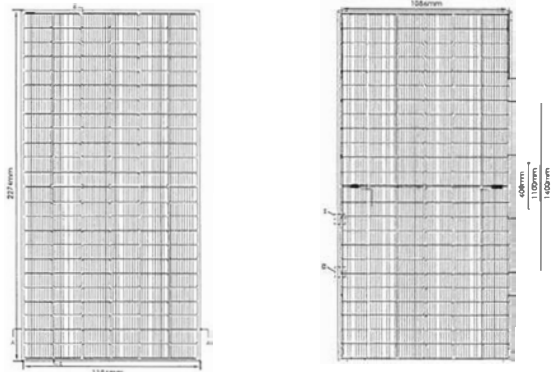
LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

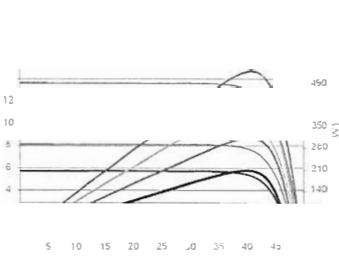


Packaging Configuration

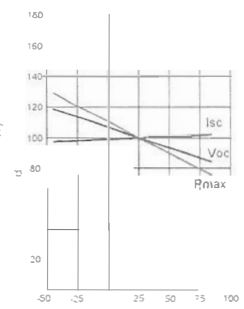
[Two pallets = One stack]

31 pcs/pallets, 62 pcs/stock, 620 pcs/ 40'HQ Container

Current-Voltage & Power-Voltage Curves (535W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

- Cell Type: P type Mono-crystalline
- No. of cells: 144 (6×24)
- Dimensions: 2274×1384×35mm (89.53×44.65×1.38 inch)
- Weight: 28 kg (61.73 lbs)
- Front Glass: 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
- Frame: Anodized Aluminium Alloy
- Junction Box: IP68 Rotea
- Output Cables: TUV 1×4.0mm (+): 400mm (-): 200mm or Customized Length

SPECIFICATIONS

Module type	JKM525M-72HL4-TV		JKM530M-72HL4-TV		JKM535M-72HL4-TV		JKM540M-72HL4-TV		JKM545M-72HL4-TV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp
Maximum Power Voltage (Vmp)	40.61V	37.74V	40.7 V	37.88V	40.81V	37.98V	40.91V	38.08V	41.07V	38.8V
Maximum Power Current (Imp)	12.93A	10.35A	13.02A	10.41A	13.11A	10.48A	13.20A	10.55A	13.27A	10.62A
Open-circuit Voltage (Voc)	49.27V	46.50V	49.35V	46.58V	49.42V	46.65V	49.49V	46.71V	49.65V	46.86V
Short-circuit Current (Isc)	13.64A	11.02A	13.71A	11.07A	13.79A	11.14A	13.87A	11.20A	13.94A	11.26A
Module Efficiency STC (%)	20.36%		20.55%		20.75%		20.94%		21.3%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
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									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		551Wp	557Wp	562Wp	567Wp	572Wp
5%	Maximum Power (Pmax)	551Wp	557Wp	562Wp	567Wp	572Wp
	Module Efficiency STC (%)	21.38%	21.58%	21.78%	21.99%	22.9%
5%	Maximum Power (Pmax)	604Wp	610Wp	615Wp	621Wp	623Wp
	Module Efficiency STC (%)	23.41%	23.64%	23.86%	24.08%	24.30%
25%	Maximum Power (Pmax)	656Wp	663Wp	669Wp	675Wp	681Wp
	Module Efficiency STC (%)	25.45%	25.69%	25.93%	26.18%	26.42%

STC: Irradiance 1000W/m, Cell Temperature 25°C, AM=1.5
 NOCT: Irradiance 800W/m, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s