

# Eagle HC 72P-V 320-340 Watt

POLY CRYSTALLINE MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Poly 60 Cell
- System Voltage: 1500 VDC



## KEY FEATURES



### System Voltage:

The maximum voltage is promoted to 1500V and the module strings are extended by 50% which reduces the overall system BOS.



### 5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



### High Efficiency:

Higher module conversion efficiency (up to 17.25%) benefit from Half cells structure (low resistance characteristic)



### PID RESISTANT:

Eagle modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



### Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Severe Weather Resilience:

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



### Durability against extreme environmental conditions:

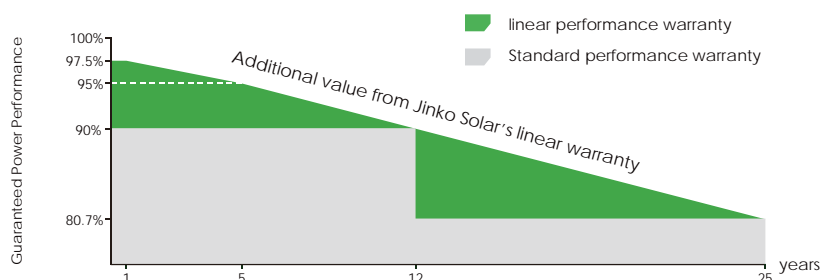
High salt mist and ammonia resistance certified by TUV NORD.



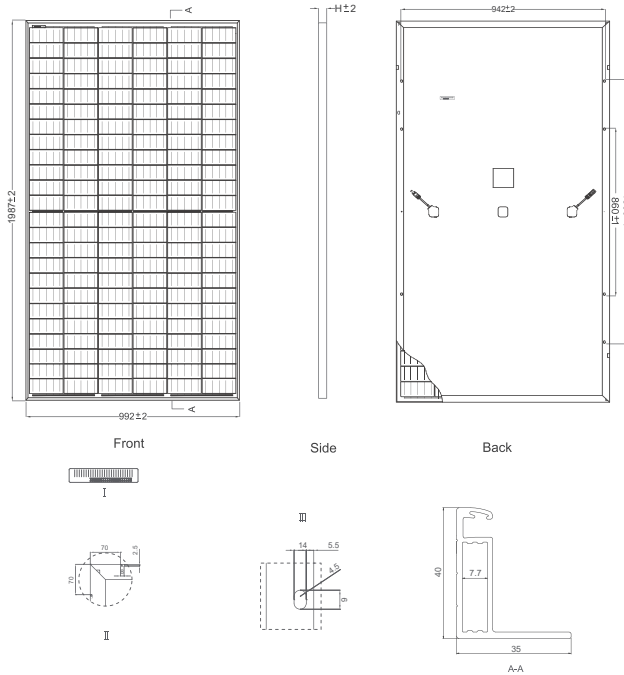
## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty

- ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.
- IEC61215、IEC61730 certified products



## Engineering Drawings

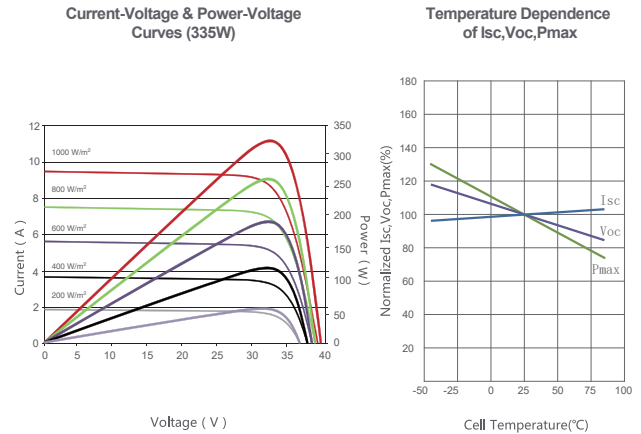


## Packaging Configuration

( Two pallets =One stack )

26pcs/pallet , 52pcs/stack, 572 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No.of Half-cells	144 (12×12)
Dimensions	1987×992×40mm (78.23×39.05×1.57 inch)
Weight	27.0 kg (60 lbs)
Front Glass	4.0mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	anode 290mm, cathode 145mm

## SPECIFICATIONS

Module Type	JKM320PP-72H-V		JKM325PP-72H-V		JKM330PP-72H-V		JKM335PP-72H-V		JKM340PP-72H-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	320Wp	238Wp	325Wp	242Wp	330Wp	246Wp	335Wp	250Wp	340Wp	254Wp
Maximum Power Voltage (Vmp)	37.4V	34.7V	37.6V	35.0V	37.8V	35.3V	38.0V	35.6V	38.2V	36.0V
Maximum Power Current (Imp)	8.56A	6.86A	8.66A	6.91A	8.74A	6.97A	8.82A	7.02A	8.90A	7.06A
Open-circuit Voltage (Voc)	46.4V	43.7V	46.7V	44.0V	46.9V	44.2V	47.2V	44.4V	47.5V	44.6V
Short-circuit Current (Isc)	9.05A	7.38A	9.10A	7.34A	9.14A	7.38A	9.18A	7.43A	9.22A	7.45A
Module Efficiency STC (%)	16.23%		16.49%		16.74%		17.00%		17.25%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	15A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.40%/°C									
Temperature coefficients of Voc	-0.30%/°C									
Temperature coefficients of Isc	0.06%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%