

# Eagle Black 60P-V 260-280 Watt

POLYCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory.

IEC61215, IEC61730 certified products.



(5BB)



## KEY FEATURES



### System Voltage:

Designed for high voltage system up to 1500V, saving BOS cost.



### PID RESISTANT:

Excellent Anti-PID performance guarantee limited power degradation for mass production.



### High Power Output:

Up to 280W and 17.11% efficiency, leading performance in the industry.



### Low-light Performance:

Excellent performance in low-light environments.



### Severe Weather Resilience:

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

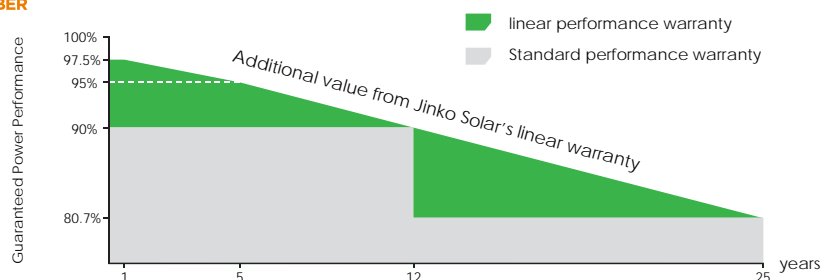


### 5 Busbar Solar Cell:

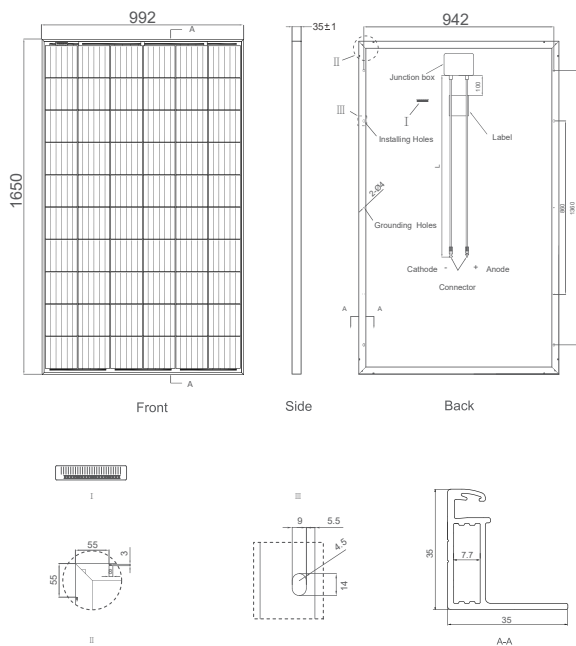
5 busbar cell design improves module efficiency and reduces power loss.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



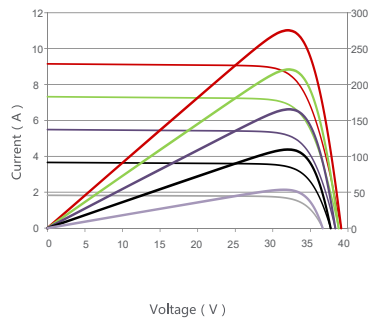
## Packaging Configuration

(Two pallets = One stack)

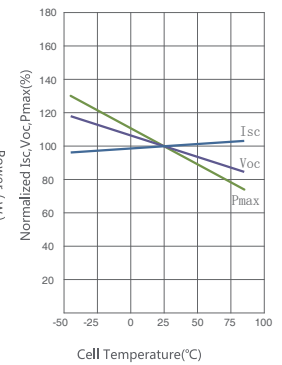
30pcs/pallet, 60pcs/stack, 840 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (275W)



Temperature Dependence of I<sub>sc</sub>, V<sub>oc</sub>, P<sub>max</sub>



## Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1650×992×35mm (65.00×39.05×1.37 inch)
Weight	19.0 kg (41.9 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1×4.0mm <sup>2</sup> , Length: 900mm or Customized Length

## SPECIFICATIONS

Module Type	JKM260PP-60-J4-V		JKM265PP-60-J4-V		JKM270PP-60-J4-V		JKM275PP-60-J4-V		JKM280PP-60-J4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P <sub>max</sub> )	260Wp	193Wp	265Wp	197Wp	270Wp	200Wp	275Wp	204Wp	280Wp	208Wp
Maximum Power Voltage (V <sub>mp</sub> )	31.1V	28.7V	31.4V	29.0V	31.7V	29.4V	32.0V	29.8V	32.3V	30.1V
Maximum Power Current (I <sub>mp</sub> )	8.37A	6.71A	8.44A	6.78A	8.52A	6.80A	8.61A	6.85A	8.69A	6.91A
Open-circuit Voltage (V <sub>oc</sub> )	38.1V	35.2V	38.6V	35.3V	38.8V	35.4V	39.1V	35.4V	39.4V	35.6V
Short-circuit Current (I <sub>sc</sub> )	8.98A	7.31A	9.03A	7.36A	9.09A	7.38A	9.15A	7.44A	9.20A	7.99A
Module Efficiency STC (%)	15.88%		16.19%		16.50%		16.80%		17.11%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of P <sub>max</sub>	-0.40%/°C									
Temperature coefficients of V <sub>oc</sub>	-0.31%/°C									
Temperature coefficients of I <sub>sc</sub>	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%