

# Eagle Black 60

## 265-280 Watt

### POLYCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

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



(5BB)



## KEY FEATURES



### PID RESISTANT:

Limited power degradation of Eagle module caused by PID effect is guaranteed under strict testing condition (85 C /85%RH,96hours)for mass production.



### High Power Output:

With up to 280 Wp and 17.11 % efficiency, highest performing module of its kind on the market.



### Low-light Performance:

Excellent performance in low-light environments.



### Severe Weather Resilience:

Extremely weather resistant due to approval for increased snow and wind loads: 5400 Pa snow load, 2400 Pa wind load.

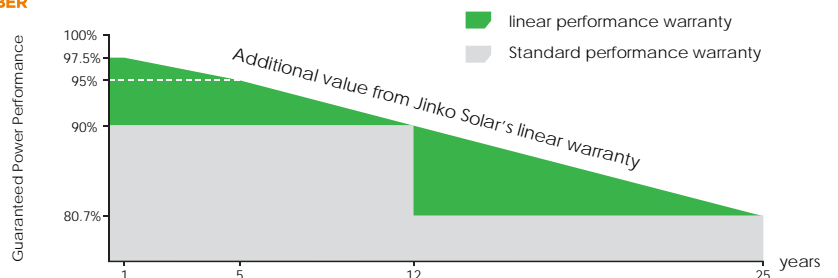


### 5 Busbar Solar Cell:

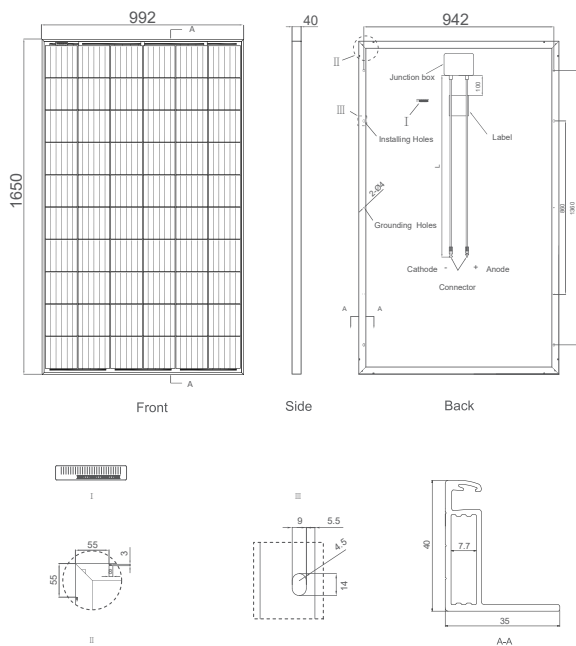
No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell.

## LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty



## Engineering Drawings



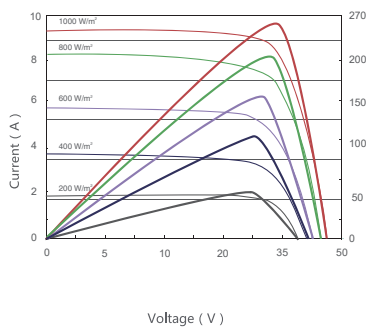
## Packaging Configuration

(Two boxes=One pallet)

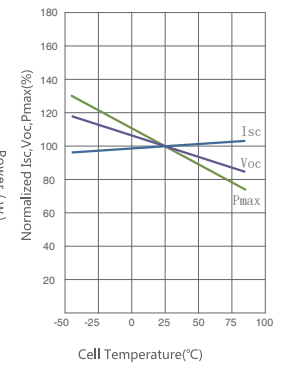
26pcs/pallet, 52pcs/stack, 728 pcs/40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (265W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
No. of cells	60 (6×10)
Dimensions	1650×992×40mm (65.00×39.05×1.57 inch)
Weight	18.5 kg (40.8 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	JKM265PP-60-J4		JKM270PP-60-J4		JKM275PP-60-J4		JKM280PP-60-J4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	265Wp	198Wp	270Wp	202Wp	275Wp	205Wp	280Wp	209Wp
Maximum Power Voltage (Vmp)	31.4V	28.7V	31.7V	29.0V	32.0V	29.3V	32.3V	29.6V
Maximum Power Current (Imp)	8.44A	6.91A	8.52A	6.97A	8.61A	7.00A	8.69A	7.06A
Open-circuit Voltage (Voc)	38.6V	35.3V	38.8V	35.6V	39.1V	35.9V	39.4V	36.1V
Short-circuit Current (Isc)	9.03A	7.31A	9.09A	7.35A	9.15A	7.37A	9.20A	7.42A
Module Efficiency STC (%)	16.19%		16.50%		16.80%		17.11%	
Operating Temperature(°C)	-40°C~+85°C							
Maximum system voltage	1000VDC (IEC)							
Maximum series fuse rating	15A							
Power tolerance	0~+3%							
Temperature coefficients of Pmax	-0.4%/°C							
Temperature coefficients of Voc	-0.3%/°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%