

# Eagle 60 290-310 Watt

MONO PERC MODULE

Positive power tolerance of 0~+3%





- ISO9001:2008 Quality Standards
- ISO14001:2004 Environmental Standards
- OHSAS18001 Occupational Health & Safety Standards

#### Nomenclature:



Code	Backsheet
null	White
B	Black









# **KEY FEATURES**



#### **Innovative Solar Cells**

Five busbar monocrystalline PERC cell technology improves module efficiency



#### **High Efficiency**

Higher module conversion efficiency (up to 18.94%) due to Passivated Emmiter Rear Contact (PERC) technology



# PID Free

World's 1st PID-Free module



# Low-Light Performance

Advanced glass technology improves light absorption and retention



# Strength and Durability

Certified for high snow (5400Pa) and wind (2400Pa) loads

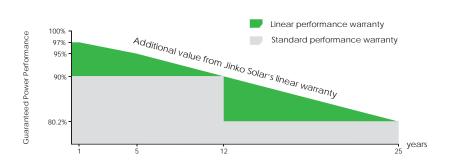


#### Weather Resistance

Certified for salt mist and ammonia resistance

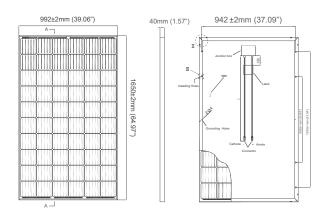
# LINEAR PERFORMANCE WARRANTY

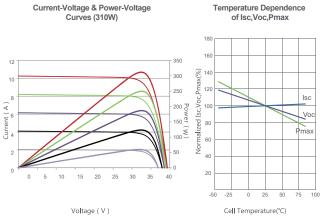
10 Year Product Warranty • 25 Year Linear Power Warranty



#### **Engineering Drawings**

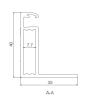
# **Electrical Performance & Temperature Dependence**











### **Packaging Configurations**

(Two boxes=One Pallet)

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

Mechanical Characteristics	
Cell Type	Monocrystalline PERC 156×156mm (6 inch)
No. of Cells	60 (6×10)
Dimensions	1650×992×40mm (64.97×39.06×1.57 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 (Black)
Junction Box	IP67 Rated
Output Cables	12 AWG, Length: 900mm (35.43 inch)
Fire Type	Type 1

#### **SPECIFICATIONS** JKM290M-60 JKM295M-60 JKM300M-60 JKM305M-60 JKM310M-60 Module Type STC NOCT STC NOCT STC NOCT STC NOCT STC NOCT 310Wp 231Wp Maximum Power (Pmax) 290Wp 216Wp 295Wp 220Wp 300Wp 224Wp 305Wp 227Wp Maximum Power Voltage (Vmp) 32.2V 30.2V 32.4V 30.4V 32.6V 30.6V 30.8V 33.0V 31.0V 32.8V Maximum Power Current (Imp) 9.02A 7.15A 9 10A 7 24A 9.21A 7.32A 9.30A 7.40A 9404 7494 39.5V 36.6V Open-circuit Voltage (Voc) 39.7V 36.8V 40.1V 37.0V 40.3V 40.5V 37.4V 37.2V Short-circuit Current (Isc) 9.55A 7.81A 9.61A 7.89A 9.72A 8.01A 9.83A 8.12A 9.92A 8.20A 18.94% 17.72% 18.02% 18.33% 18.63% Module Efficiency STC (%) Operating Temperature (°C) -40°C~+85°C Maximum System Voltage 1000VDC (UL and IEC) Maximum Series Fuse Rating 20A Power Tolerance 0~+3% Temperature Coefficients of Pmax -0.39%/°C -0.29%/°C Temperature Coefficients of Voc Temperature Coefficients of Isc 0.048%/°C



Nominal Operating Cell Temperature (NOCT)





45±2°C









<sup>\*</sup> Power measurement tolerance: ± 3%