

GKA60P

265-300 Watt

POLY CRYSTALLINE MODULE

5BB
156.75mm
158.75mm

GAMKO

SOLAR

KEY FEATURES



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 Power Output:

Polycrystalline 60-cell module achieves a power output up to 300Wp.



PID Resistance:

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



Low-light Performance:

Advanced glass and 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).



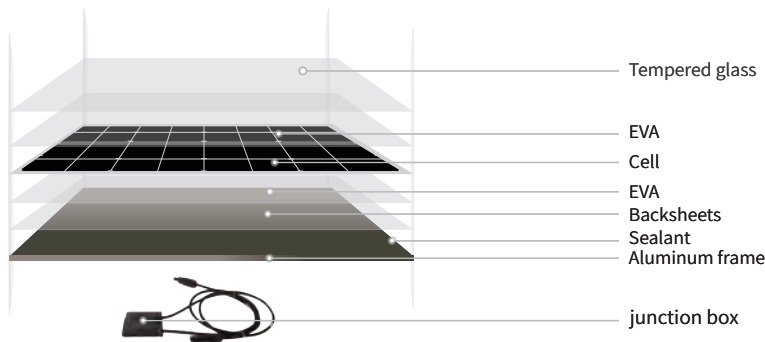
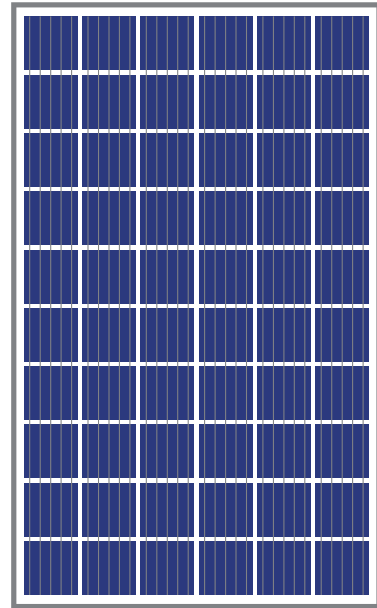
Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.



Temperature Coefficient:

Improved temperature coefficient decreases power loss during high temperatures.



GAMKO SOLAR MODULE BOM

CELLS: TIER 1 BRANDS SOLAR CELLS

TEMPERED GLASS: ULTRA-CLEAR

EVA: TRANSPARENCY > 93%

BACKSHEETS: REFLECTIVITY > 80%, TPT

JUNCTION BOX: IP65/IP67 MAX 30A

SILICON GEL: UV, AGING-RESISTANT

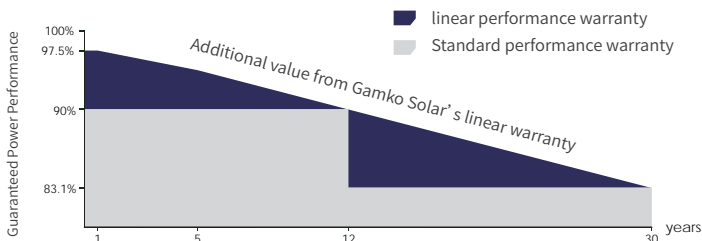
FRAME: ANODIZED ALUMINUM 6005-T5

GAMKO QUALITY CONTROL

- ◆ 2 EL testing avoid cells cracking of each solar module.
- ◆ 2 Power flash testing avoid false welding and insufficient power of each module.
- ◆ Packing tightly with angle protection avoid transportation broken.
- ◆ Gamko Official Warranty cover all Gamko solar module 30 years.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty



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ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (P _{max})	265W	270W	275W	280W	285W	290W	295W	300W
Open Circuit Voltage (V _{oc})	38.3V	38.4V	38.5V	38.6V	38.7V	39.2V	39.4V	39.6V
Short Circuit Current (I _{sc})	8.98A	9.09A	9.20A	9.31A	9.42A	9.54A	9.62A	9.70A
Voltage at Nominal Power (V _{mp})	30.9V	31.1V	31.3V	31.5V	31.7V	32.0V	32.2V	32.4V
Current at Nominal Power (I _{mp})	8.58A	8.69A	8.79A	8.89A	9.00A	9.06A	9.16A	9.26A
Module Efficiency (%)	16.29%	16.60%	16.90%	17.21%	17.52%	17.38%	17.68%	17.98%
Operating Temperature	-40°C to +85°C							
Maximum System Voltage	1000VDC (IEC)							
Fire Resistance Rating	Type 1(in accordance with 1703)/Class C(IEC61730)							
Maximum Series Fuse Rating	20A							

*STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (P _{max})	196W	200W	204W	207W	211W	215W	218W	222W
Open Circuit Voltage (V _{oc})	35.2V	35.3V	35.4V	35.5V	35.6V	36.1V	36.2V	36.4V
Short Circuit Current (I _{sc})	7.27A	7.36A	7.45A	7.54A	7.63A	7.73A	7.79A	7.86A
Voltage at Nominal Power (V _{mp})	28.2V	28.4V	28.5V	28.7V	28.9V	29.2V	29.4V	29.5V
Current at Nominal Power (I _{mp})	6.95A	7.04A	7.12A	7.20A	7.29A	7.34A	7.42A	7.50A

*NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Poly 156.75x156.75mm/158.75x158.75mm
Number of cells	60(6x10)
Module dimensions	1640x992x35mm/1665x1002x35mm
Weight	17kg/19kg
Front cover	3.2mm, Anti-Reflection Coating, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction box	IP67 Rated
Cable	TÜV 1×4.0mm ² , Length:900mm or Customized Length
Connector	PV Connector (compatible)

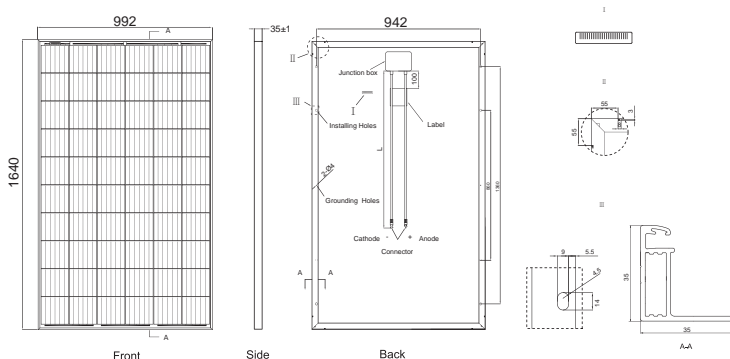
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P _{max}	-0.38%/°C
Temperature Coefficients of V _{oc}	-0.31%/°C
Temperature Coefficients of I _{sc}	0.06%/°C

PACKAGING

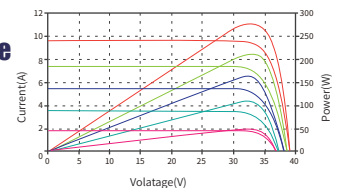
Standard packaging	31pcs/pallet
Module quantity per 20' container	400pcs
Module quantity per 40' container	840pcs(GP)/924pcs(HQ)

ENGINEERING DRAWINGS

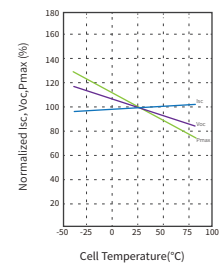


Electrical Performance & Temperature Dependence

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



Temperature Dependence of I_{sc}, V_{oc}, P_{max}



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