

GKA36M

80-250 Watt

MONO CRYSTALLINE MODULE

5BB
156.75mm

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.



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).



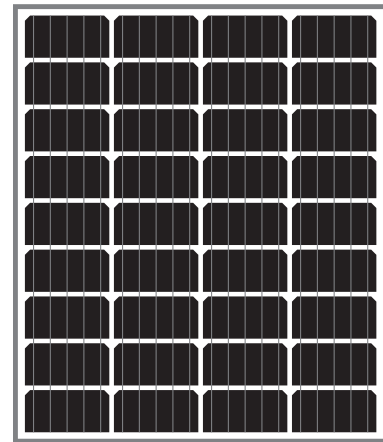
Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.

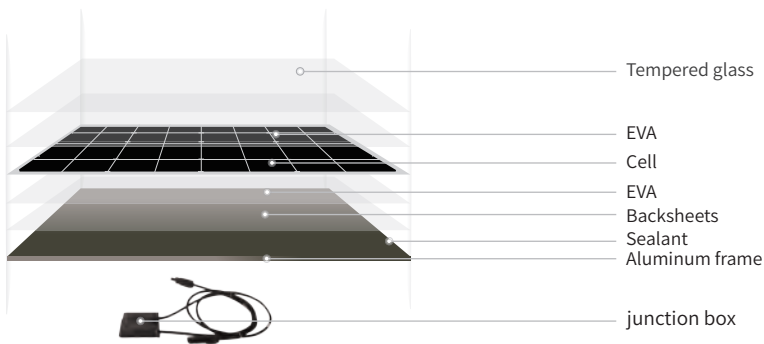


Temperature Coefficient:

Improved temperature coefficient decreases power loss during high temperatures.



GKA36M80-90



GAMKO SOLAR MODULE BOM

CELLS: TIER 1 BRANDS SOLAR CELLS

TEMPERED GLASS: ULTRA-CLEAR

EVA: TRANSPARENCY > 93%

BACKSHEETS: REFLECTIVITY > 80%, TPT

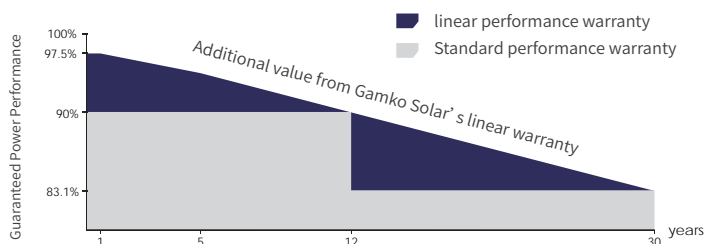
JUNCTION BOX: IP65/IP67 MAX 30A

SILICON GEL: UV, AGING-RESISTANT

FRAME: ANODIZED ALUMINUM 6005-T5

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty



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.

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ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (P _{max})	80W	90W	100W	150W	200W	250W
Open Circuit Voltage (V _{oc})	22.0V	22.2V	22.0V	22.2V	29.3V	33.6V
Short Circuit Current (I _{sc})	4.64A	5.17A	5.81A	8.61A	8.71A	9.50A
Voltage at Nominal Power (V _{mp})	18.0V	18.2V	18.0V	18.2V	24.0V	27.5V
Current at Nominal Power (I _{mp})	4.44A	4.95A	5.56A	8.24A	8.33A	9.09A
Module Efficiency (%)	15.31%	17.22%	14.93%	15.13%	15.37%	17.03%
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000VDC (IEC)/600VDC(UL)					
Fire Resistance Rating	Type 1(in accordance with 1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	15A					

*STC: Irradiance 1000W/m² , Cell temperature 25°C, AM1.5 , Power Tolerance 0~+3%

SIZE AND PACKING

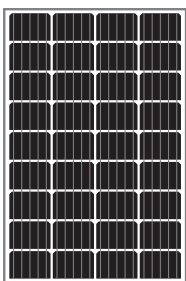
	Cells Size	Number Of Cells	Dimension	Weight	20GP	40GP	40HQ
GKA36M80	78*156.75mm	36(9x4)	780*670*30mm	6.4kg	1015pcs	2030pcs	2306pcs
GKA36M90	78*156.75mm	36(9x4)	780*670*30mm	6.4kg	1015pcs	2030pcs	2306pcs
GKA36M100	104*156.75mm	36(9x4)	1000*670*30mm	7.2kg	792pcs	1584pcs	1800pcs
GKA36M150	156.75*156.75mm	36(9x4)	1480*670*30mm	11.5kg	552pcs	1104pcs	1248pcs
GKA48M200	156.75*156.75mm	48(8x6)	1312*992*30mm	15kg	420pcs	840pcs	952pcs
GKA54M250	156.75*156.75mm	54(9x6)	1480*992*30mm	16.9kg	372pcs	744pcs	843pcs

MECHANICAL CHARACTERISTICS

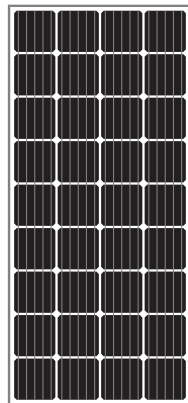
Front cover	3.2mm, Anti-Reflection Coating, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Cable	TÜV 1×4.0mm ²
Connector	PV Connector (compatible)

TEMPERATURE CHARACTERISTICS

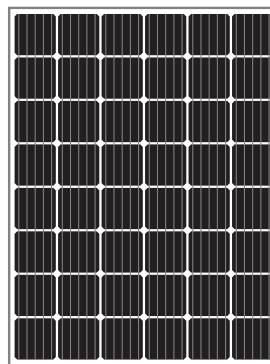
Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficients of P _{max}	-0.40%/°C
Temperature Coefficients of V _{oc}	-0.30%/°C
Temperature Coefficients of I _{sc}	0.06%/°C



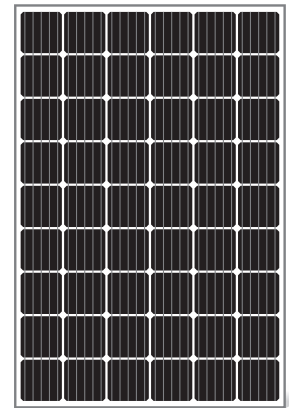
GKA36M100



GKA36M150



GKA48M200



GKA54M250

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