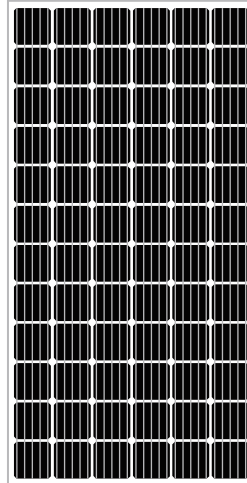
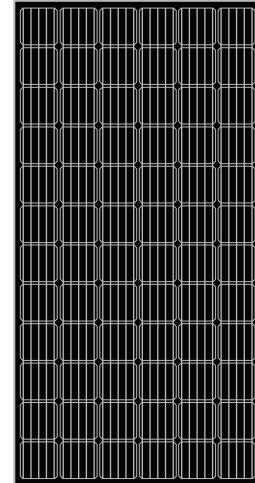


GKA157M72
390W-410W



GKA157M72S
STANDARD



GKA157M72BK
BLACK VERSION

KEY FEATURES

M Busbar Solar Cell
M Busbar Solar Cell design improves module efficiency and offers better aesthetic appearance for rooftop installation.

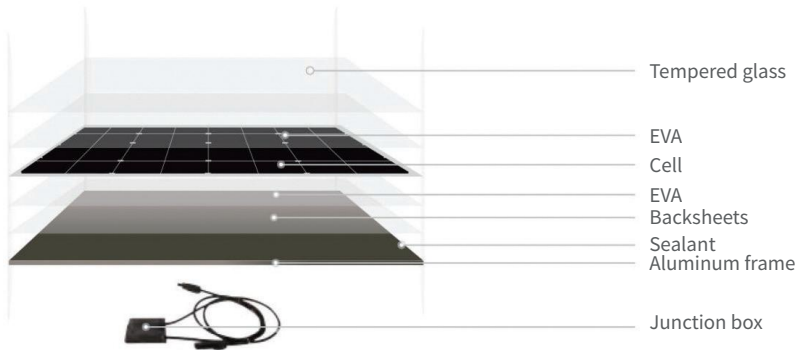
High Efficiency:
Higher module conversion efficiency (up to 21.13%) benefit from Passivated Emitter Rear Contact (PERC) technology.

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

Low-light Performance:
Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

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.

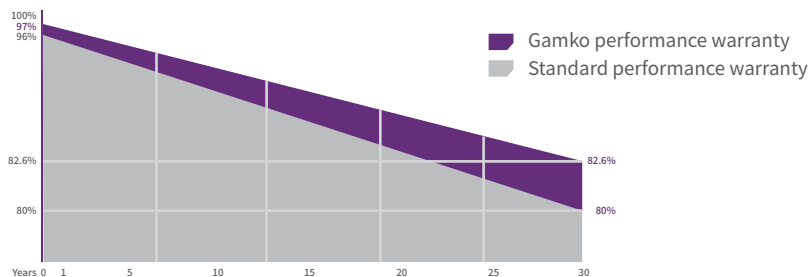


★ GAMKO SOLAR MODULE BOM

- CELLS:** TIER 1 BRANDS SOLAR CELLS
- TEMPERED GLASS:** ULTRA-CLEAR
- EVA:** TRANSPARENCY > 93%
- BACKSHEETS:** REFLECTIVITY > 80%, TPT
- JUNCTION BOX:** 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.

GKA157M72
390W-410W



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power(P _{max})	390W	395W	400W	405W	410W
Open Circuit Voltage (V _{oc})	50.10V	50.40V	50.60V	50.90V	51.60V
Short Circuit Current (I _{sc})	9.92A	9.99A	10.07A	10.15A	10.13A
Voltage at Maximum Power (V _{mpp})	41.10V	41.30V	41.50V	41.70V	42.30V
Current at Maximum Power (I _{mp})	9.49A	9.56A	9.64A	9.71A	9.69A
Module Efficiency (%)	20.10%	20.36%	20.61%	20.87%	21.13%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power(P _{max})	289W	292W	296W	300W	303W
Open Circuit Voltage (V _{oc})	46.10V	46.40V	46.60V	46.80V	47.50V
Short Circuit Current (I _{sc})	8.03A	8.10A	8.16A	8.22A	8.20A
Voltage at Maximum Power (V _{mpp})	37.50V	37.70V	37.80V	38.00V	38.60V
Current at Maximum Power (I _{mp})	7.69A	7.75A	7.81A	7.87A	7.85A

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%, P_{max} According Gamko's official testing.
NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%, P_{max} According Gamko's official testing.

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC 157*157mm
Number of cells	72(6x12)
Module dimensions	1956*992*30MM
Weight	21kg
Front cover	3.2mm (0.13inches)tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP67 rated (3 by pass diodes)
Cable	4mm ² (0.006inches ²),Portrait: 900mm (35.43inches);
Connector	PV compatible

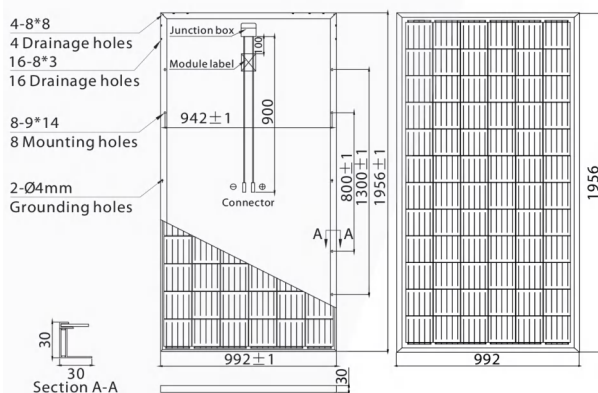
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P _{max}	-0.36%/°C
Temperature Coefficients of V _{oc}	-0.28%/°C
Temperature Coefficients of I _{sc}	-0.05%/°C

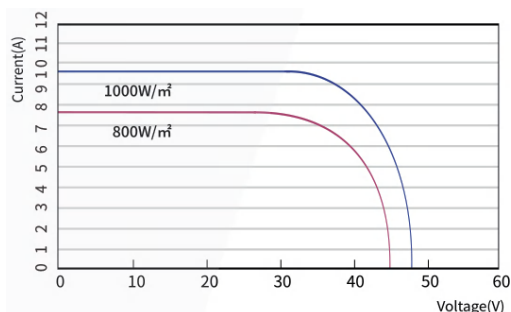
PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	400pcs
Module quantity per 40' container	960pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



Specifications included in this datasheet are subject to change without notice.