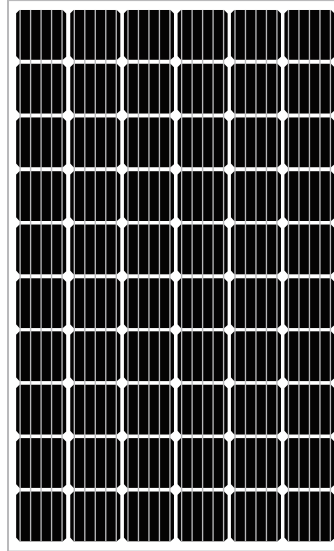
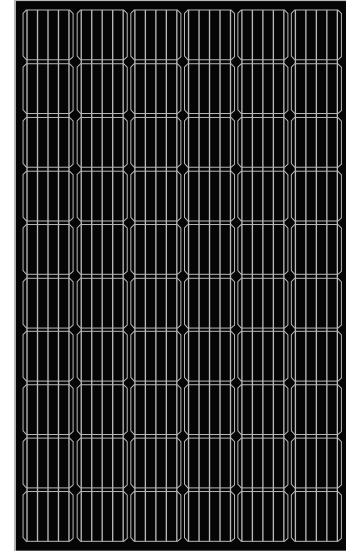


GKA157M60
320W-340W



GKA157M60S
STANDARD



GKA157M60BK
BLACK VERSION

KEY FEATURES

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

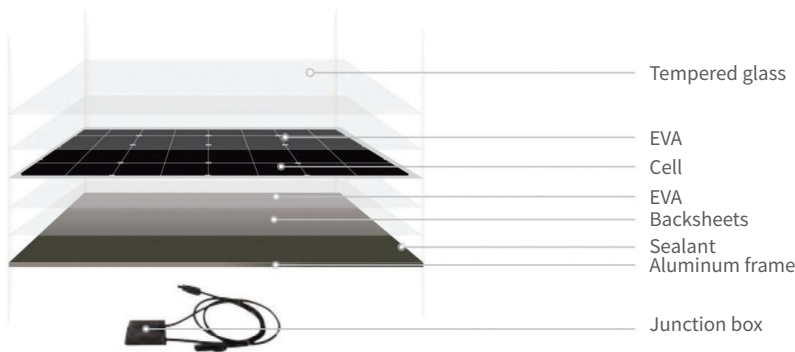
High Efficiency:
Higher module conversion efficiency (up to 20.90%) benefit from Passivated Emitter Rear Contact (PERC) technology.

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.

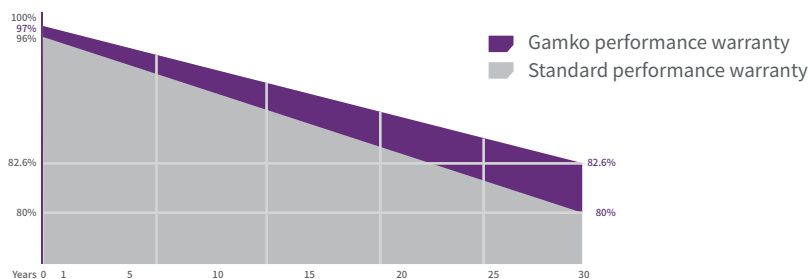


★ GAMKO SOLAR MODULE BOM

- 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.

GKA157M60
320W-340W



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power(P _{max})	320W	325W	330W	335W	340W
Open Circuit Voltage (V _{oc})	40.50V	40.70V	40.90V	41.10V	41.40V
Short Circuit Current (I _{sc})	10.07A	10.17A	10.29A	10.39A	10.48A
Voltage at Maximum Power (V _{mpp})	33.20V	33.40V	33.50V	33.70V	33.90V
Current at Maximum Power (I _{mpp})	9.64A	9.73A	9.85A	9.94A	10.03A
Module Efficiency (%)	19.67%	19.98%	20.28%	20.59%	20.90%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power(P _{max})	237W	241W	244W	248W	252W
Open Circuit Voltage (V _{oc})	37.30V	37.50V	37.60V	37.80V	38.00V
Short Circuit Current (I _{sc})	8.16A	8.24A	8.34A	8.41A	8.49A
Voltage at Maximum Power (V _{mpp})	30.30V	30.50V	30.60V	30.70V	30.90V
Current at Maximum Power (I _{mpp})	7.81A	7.88A	7.98A	8.05A	8.12A

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	60(6x10)
Module dimensions	1640*992*30MM
Weight	17.5kg
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

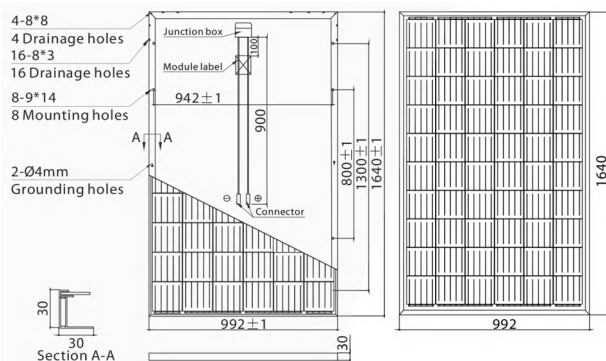
TEMPERATURE CHARACTERISTICS

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

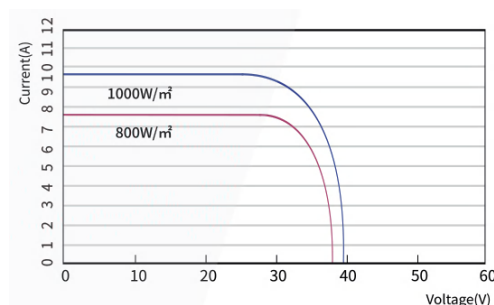
PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	480pcs
Module quantity per 40' container	1120pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



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