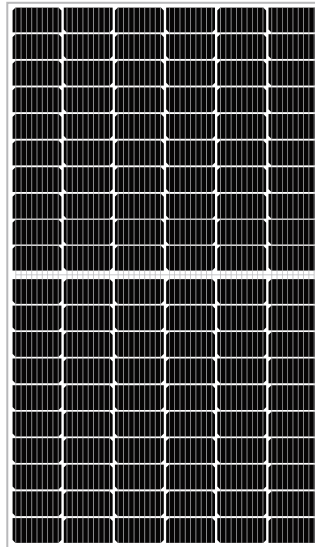
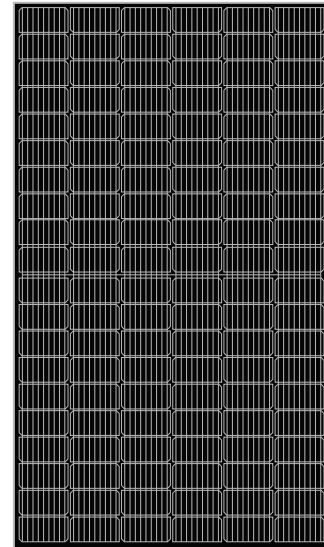


GKA166M120
360W-380W



GKA166M120S
STANDARD

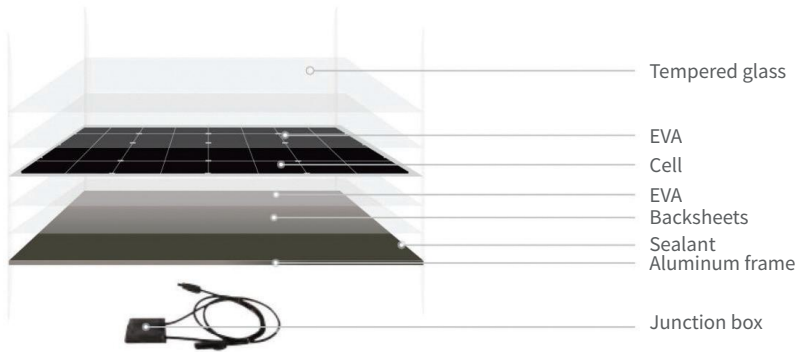


GKA166M120BK
BLACK VERSION

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 20.85%) 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.

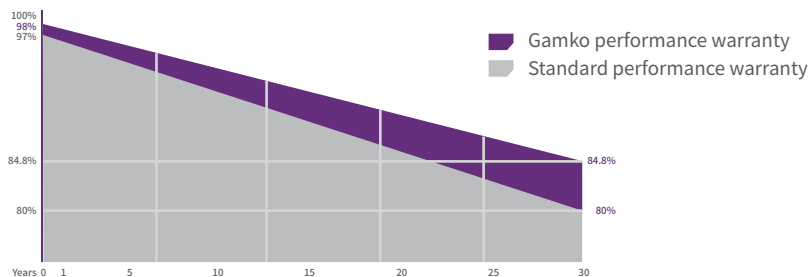


★ GAMKO SOLAR MODULE BOM

- CELLS:** TIER 1 BRANDS SOLAR CELLS
- TEMPERED GLASS:** ULTRA-CLEAR
- EVA:** TRANSPARENCY > 93%
- BACKSHEETS:** REFLECTIVITY > 80%, TPT
- JUNCTION BOX:** IP68 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.

GKA166M120
360W-380W



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power(P _{max})	360W	365W	370W	375W	380W
Open Circuit Voltage (V _{oc})	40.79V	40.99V	41.18V	41.37V	41.57V
Short Circuit Current (I _{sc})	11.18A	11.26A	11.34A	11.42A	11.50A
Voltage at Maximum Power (V _{mpp})	33.71V	33.92V	34.13V	34.34V	34.55V
Current at Maximum Power (I _{mpp})	10.68A	10.76A	10.84A	10.92A	11.00A
Module Efficiency (%)	19.75%	20.02%	20.30%	20.57%	20.85%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power(P _{max})	265W	268W	271W	274W	277W
Open Circuit Voltage (V _{oc})	37.45V	37.55V	37.66V	37.76V	37.86V
Short Circuit Current (I _{sc})	9.01A	9.07A	9.13A	9.19A	9.25A
Voltage at Maximum Power (V _{mpp})	30.96V	31.09V	31.22V	31.35V	31.48V
Current at Maximum Power (I _{mpp})	8.56A	8.62A	8.68A	8.74A	8.80A

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 166*83mm
Number of cells	120(6x20)
Module dimensions	1756*1038*30MM
Weight	18kg
Front cover	3.2mm (0.13inches)tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4mm ² (0.006inches ²),Portrait: 300mm(11.81inches);
Connector	PV compatible

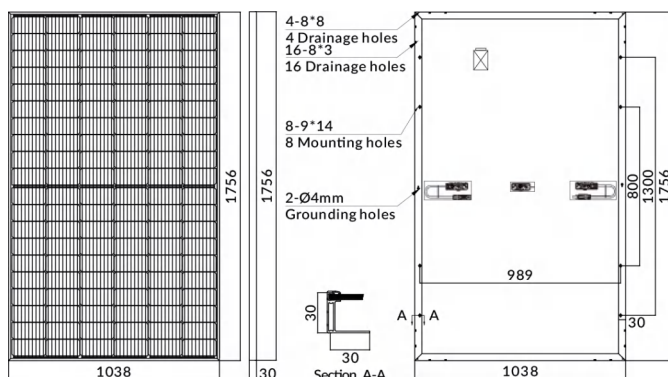
TEMPERATURE CHARACTERISTICS

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

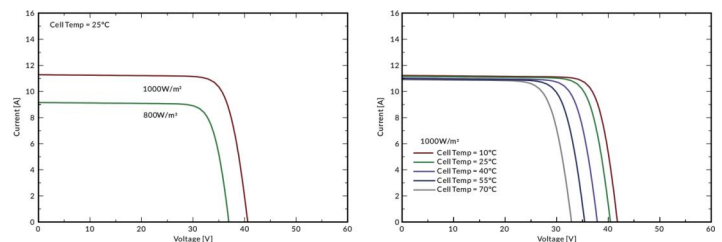
PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	396pcs
Module quantity per 40' container	936pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



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