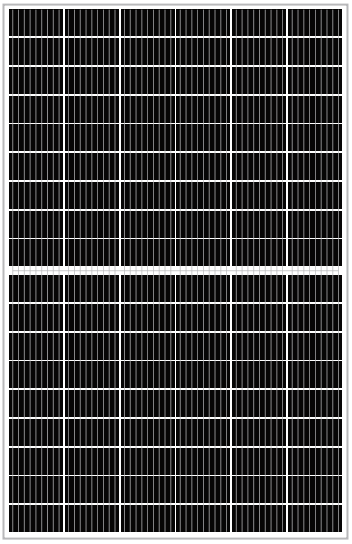
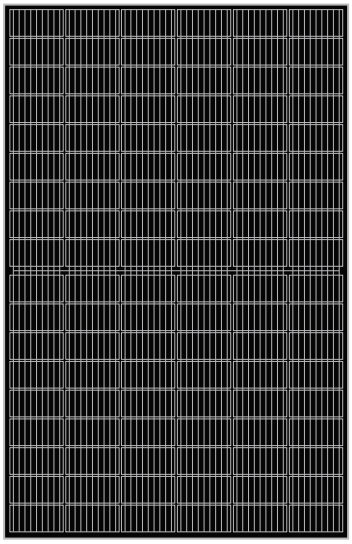
GAMKO NEW ENERGY

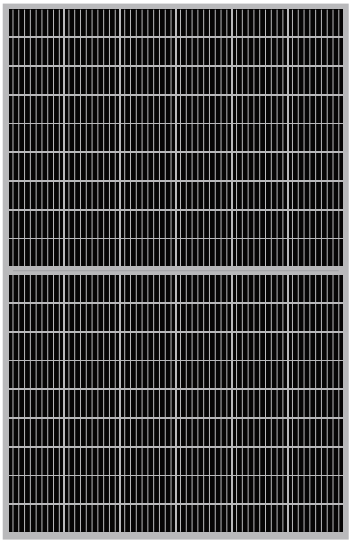
GKA210N108
560W-580W



GKA210N108S
STANDARD



GKA210N108BK
BLACK VERSION



GKA210N108BF
BIFACIAL

KEY FEATURES

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

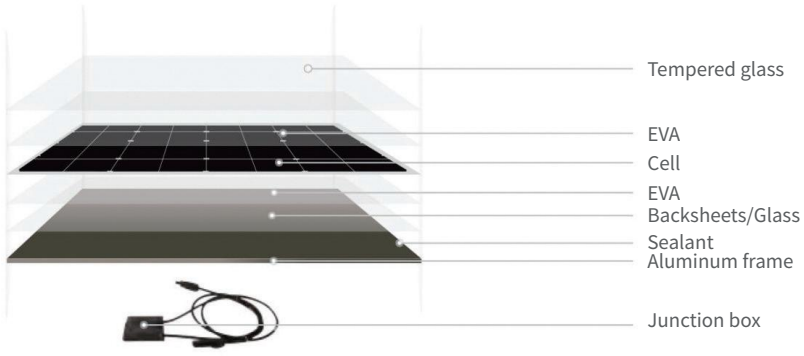
High Efficiency:
Higher module conversion efficiency(up to 22.71%) benefit from N-TOPCon cell technology.

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 (5400Pascal).

DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS:
High salt mist and ammonia resistance certified.

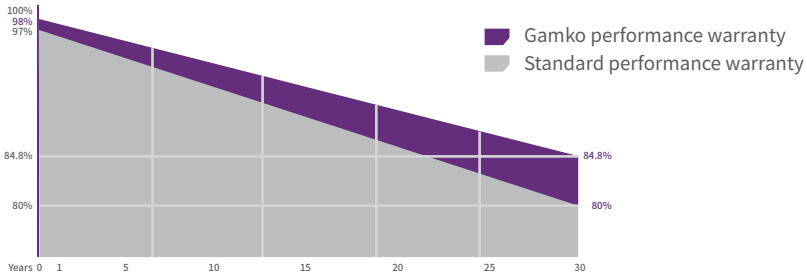


★ GAMKO SOLAR MODULE BOM

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 module30 years.

GAMKO NEW ENERGY

GKA210N108
560W-580W

SPECIFICATION

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P_{max})	560W	420W	565W	424W	570W	428W	575W	431W	580W	435W
Open Circuit Voltage (V_{oc})	36.82V	35.05V	37.03V	35.25V	37.30V	35.51V	37.54V	35.74V	37.79V	35.97V
Short Circuit Current (I_{sc})	19.16A	15.43A	19.23A	15.48A	19.26A	15.50A	19.30A	15.54A	19.34A	15.57A
Voltage at Maximum Power (V_{mpp})	30.68V	28.23V	30.86V	28.39V	31.08V	28.59V	31.28V	28.78V	31.49V	28.97V
Current at Maximum Power (I_{mpp})	18.25A	14.88A	18.31A	14.93A	18.34A	14.95A	18.38A	14.98A	18.42A	15.02A
Module Efficiency STC (%)	21.93%		22.12%		22.32%		22.51%		22.71%	

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

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power(P_{max})	588W	593W	599W	604W	609W
	Module Efficiency STC (%)	23.02%	23.23%	23.43%	23.64%	23.85%
15%	Maximum power (P_{max})	644W	650W	656W	661W	667W
	Module Efficiency STC (%)	25.22%	25.44%	25.67%	25.89%	26.12%
25%	Maximum Power(P_{max})	700W	706W	713W	719W	725W
	Module Efficiency STC (%)	27.41%	27.65%	27.90%	28.14%	28.39%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline TOPCON 210*105mm
Number of cells	108(6x18)
Module dimensions	1960*1303*30MM
Weight	25.5kg
Front cover	3.2mm (0.13inches)tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4mm2(0.006inches2),Portrait: 300mm(11.81inches);
Connector	PV compatible

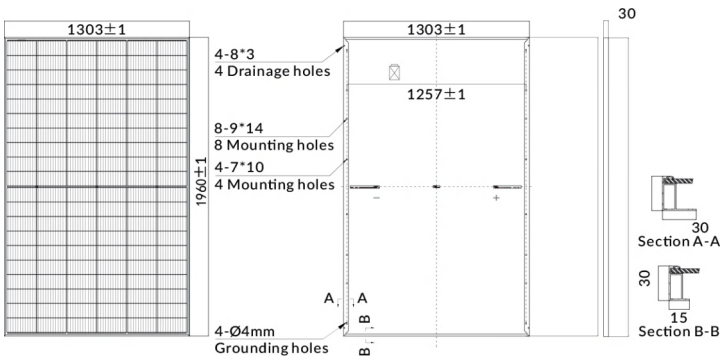
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P_{max}	-0.34%/°C
Temperature Coefficients of V_{oc}	-0.25%/°C
Temperature Coefficients of I_{sc}	-0.04%/°C

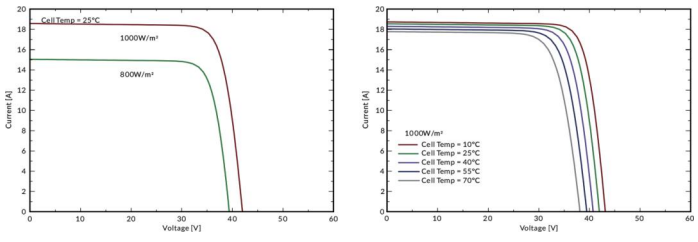
PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	308pcs
Module quantity per 40' container	738pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



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