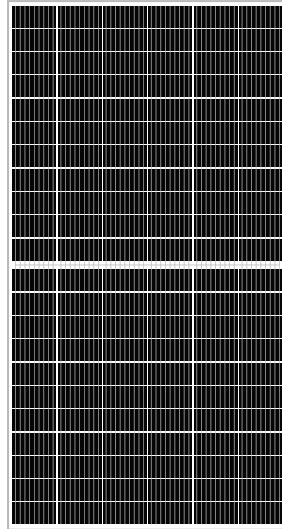
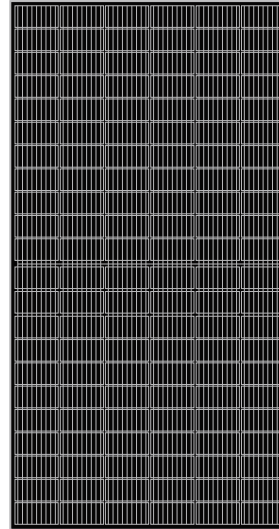


182*210MM

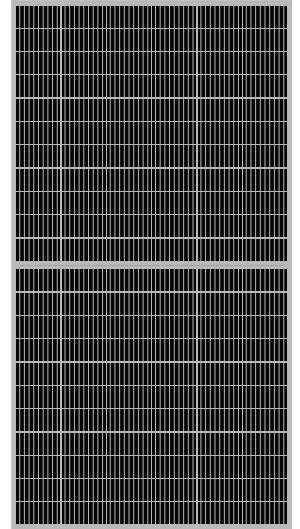
GKA132N-PRO
630W-650W



GKA132N-S
STANDARD



GKA132N-BK
BLACK VERSION



GKA132N-BF
BIFACIAL

KEY FEATURES

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

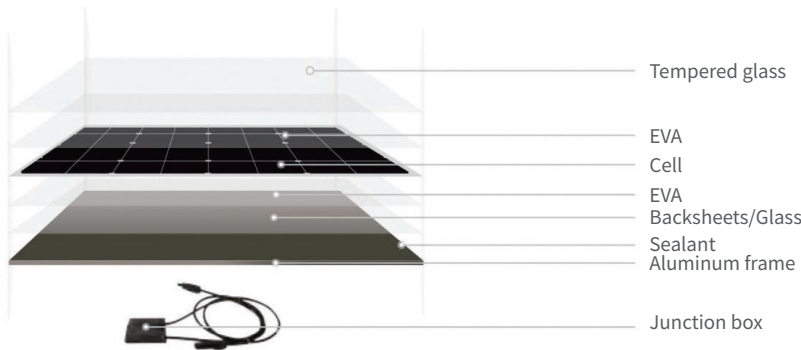
High Efficiency:
Higher module conversion efficiency benefit from N-TOPCon cell technology.

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.

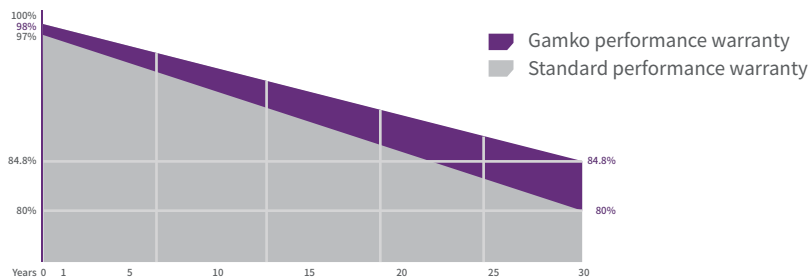


★ GAMKO SOLAR MODULE BOM

- 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 module 30 years.

182*210MM

GKA132N-PRO
630W-650W



SPECIFICATION

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P _{max})	630W	473W	635W	477W	640W	482W	645W	487W	650W	491W
Open Circuit Voltage (V _{oc})	49.71V	47.24V	49.91V	47.44V	50.11V	47.64V	50.31V	47.84V	50.51V	48.04V
Short Circuit Current (I _{sc})	16.08A	12.87A	16.13A	12.92A	16.18A	12.97A	16.23A	13.03A	16.28A	13.09A
Voltage at Maximum Power (V _{mpp})	41.50V	38.89V	41.70V	39.09V	41.90V	39.29V	42.10V	39.49V	42.30V	39.69V
Current at Maximum Power (I _{mp})	15.20A	12.16A	15.25A	12.21A	15.30A	12.26A	15.35A	12.32A	15.40A	12.37A
Module Efficiency STC (%)	23.18%		23.51%		23.69%		23.88%		24.06%	

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.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power(P _{max})	662W	667W	672W	677W	683W
	Module Efficiency STC (%)	24.49%	24.69%	24.97%	25.07%	25.26%
15%	Maximum power (P _{max})	725W	730W	736W	742W	748W
	Module Efficiency STC (%)	26.82%	27.04%	27.24%	27.46%	27.67%
25%	Maximum Power(P _{max})	788W	794W	800W	806W	813W
	Module Efficiency STC (%)	29.15%	29.39%	29.61%	29.85%	30.08%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline TOPCON 182*105mm
Number of cells	132(6x22)
Module dimensions	2382*1134*30MM
Weight	33.5kg
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

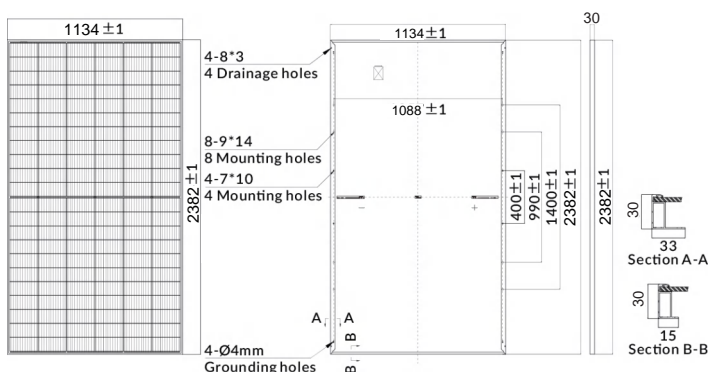
TEMPERATURE CHARACTERISTICS

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

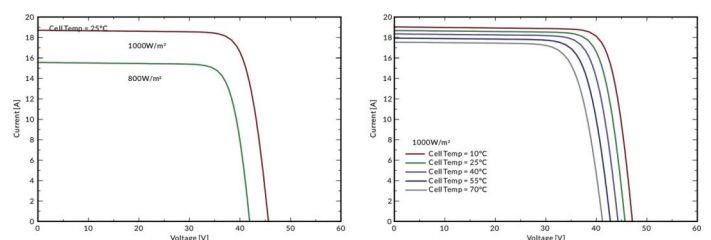
PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	256pcs
Module quantity per 40' container	720pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



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