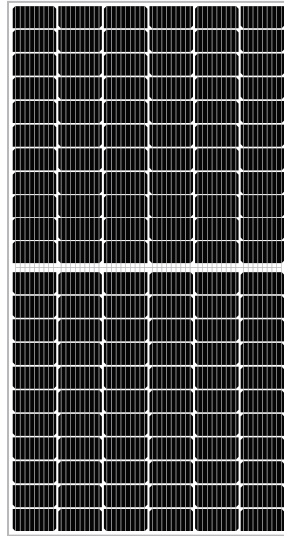
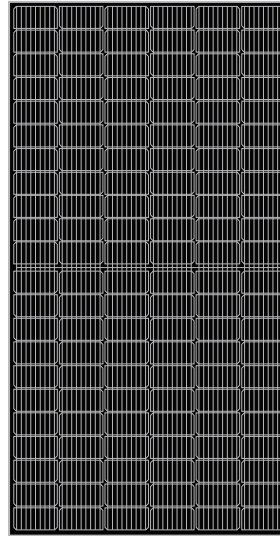


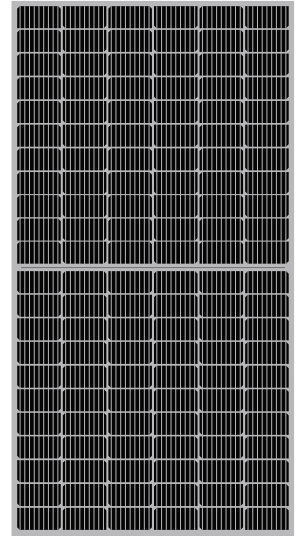
GKA182N132
530W-550W



GKA182N132S
STANDARD



GKA182N132BK
BLACK VERSION



GKA182N132BF
BIFACIAL

KEY FEATURES

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

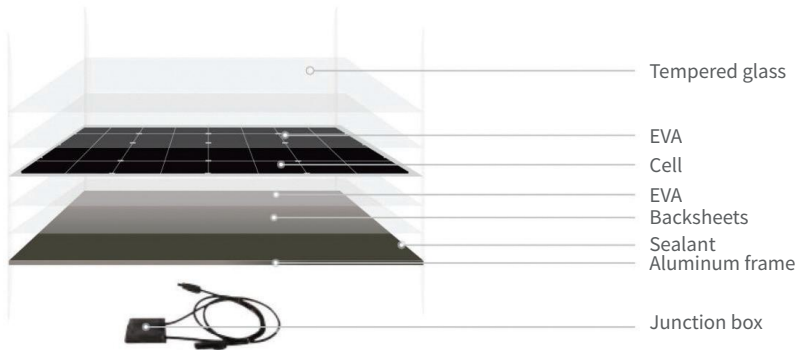
High Efficiency:
Higher module conversion efficiency (up to 23.16%) benefit from N-TOPCon cell technology.

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 (5400 Pascal).

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

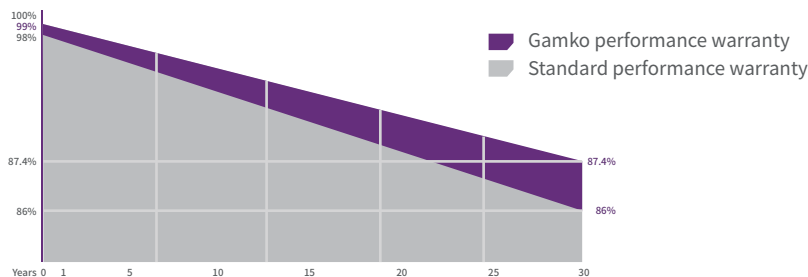


★ GAMKO SOLAR MODULE BOM

- 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.

GKA182N132
530W-550W



SPECIFICATION

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P _{max})	530W	399W	535W	403W	540W	407W	545W	411W	550W	415W
Open Circuit Voltage (V _{oc})	47.41V	45.05V	47.60V	45.20V	47.79V	45.35V	47.98V	45.50V	48.17V	45.65V
Short Circuit Current (I _{sc})	14.28A	11.52A	14.35A	11.58A	14.42A	11.64A	14.49A	11.70A	14.56A	11.76A
Voltage at Maximum Power (V _{mpp})	39.70V	36.61V	39.87V	36.77V	40.03V	36.92V	40.19V	37.09V	40.35V	37.25V
Current at Maximum Power (I _{mp})	13.35A	10.90A	13.42A	10.96A	13.49A	11.02A	13.56A	11.08A	13.63A	11.14A
Module Efficiency STC (%)	22.32%		22.53%		22.74%		22.95%		23.16%	

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})	557W	562W	567W	572W	578W
	Module Efficiency STC (%)	23.44%	23.67%	23.88%	24.09%	24.34%
15%	Maximum power (P _{max})	610W	615W	621W	627W	633W
	Module Efficiency STC (%)	25.67%	25.90%	26.15%	26.40%	26.66%
25%	Maximum Power(P _{max})	663W	669W	675W	681W	688W
	Module Efficiency STC (%)	27.90%	28.17%	28.43%	28.68%	28.97%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline TOPCON 182*91mm
Number of cells	132(6x22)
Module dimensions	2094*1134*30MM
Weight	23kg
Front cover	3.2mm coated tempered glass
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

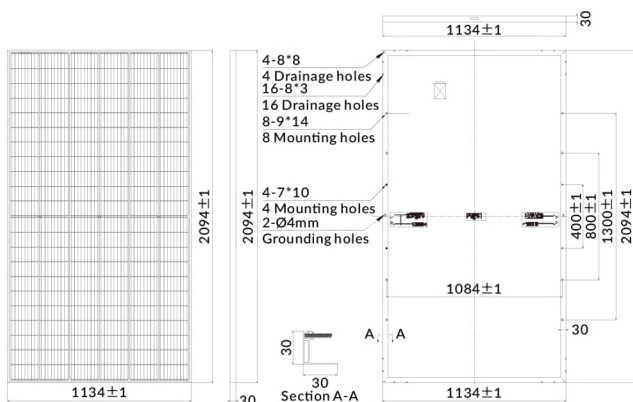
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P _{max}	-0.30%/°C
Temperature Coefficients of V _{oc}	-0.25%/°C
Temperature Coefficients of I _{sc}	-0.046%/°C

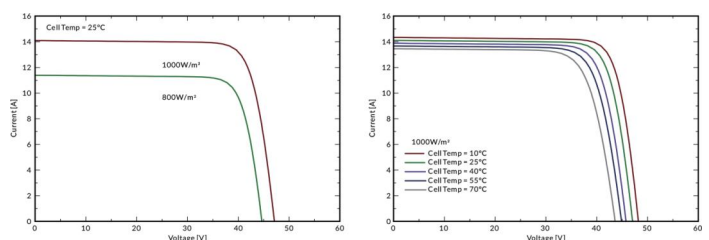
PACKAGING

Standard packaging	36pcs/pallet
Module quantity per 20' container	340pcs
Module quantity per 40' container	792pcs(HQ)

ENGINEERING DRAWINGS



Electrical Performance & Temperature Dependence



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