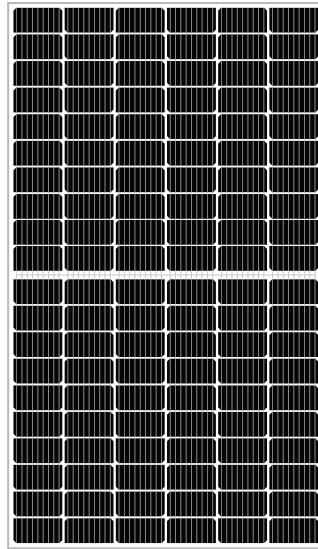
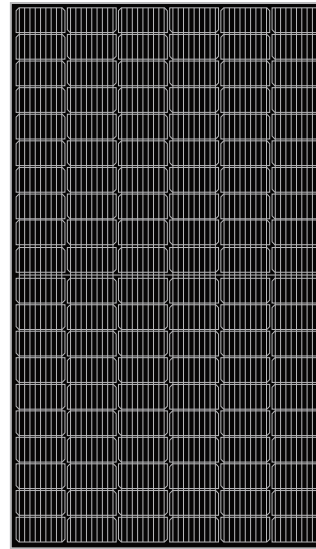


182\*210MM

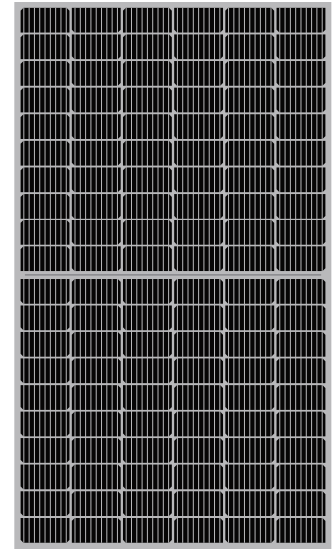
GKA120N-PRO  
570W-590W



GKA120N-S  
STANDARD



GKA120N-BK  
BLACK VERSION



GKA120N-BF  
BIFACIAL

## KEY FEATURES

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

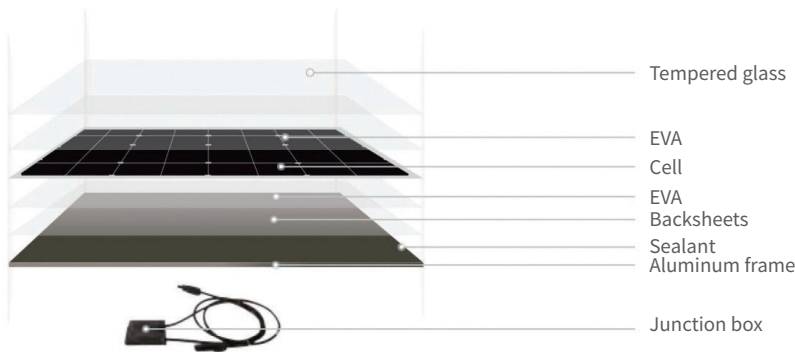
**High Efficiency:**  
Higher module conversion efficiency benefit from N-TOPCon cell technology.

**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.

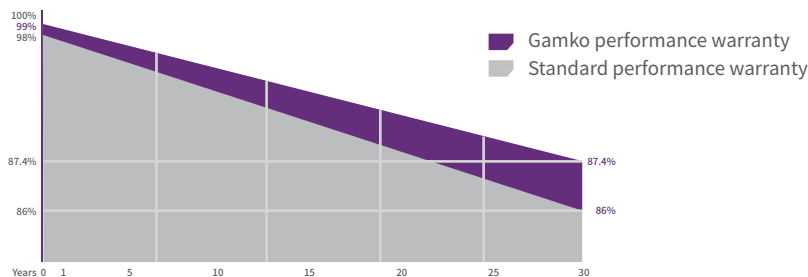


### ★ GAMKO SOLAR MODULE BOM

- 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

GKA120N-PRO  
570W-590W



**SPECIFICATION**

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P <sub>max</sub> )	570W	429W	575W	433W	580W	437W	585W	442W	590W	446W
Open Circuit Voltage (V <sub>oc</sub> )	42.90V	40.75V	43.10V	40.95V	43.20V	41.15V	43.30V	41.35V	43.50V	41.55V
Short Circuit Current (I <sub>sc</sub> )	16.90A	13.52A	16.92A	13.54A	16.94A	13.56A	16.96A	13.58A	16.98A	13.60A
Voltage at Maximum Power (V <sub>mpp</sub> )	35.61V	33.46V	35.81V	33.66V	36.01V	33.86V	36.21V	34.06V	36.41V	34.26V
Current at Maximum Power (I <sub>mp</sub> )	16.01A	12.84A	16.06A	12.88A	16.12A	12.92A	16.18A	12.97A	16.24A	13.02A
Module Efficiency STC (%)	23.01%		23.22%		23.42%		23.62%		23.82%	

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5; Tolerance of P<sub>max</sub>: ±3%; Measurement Tolerance: ±3%, P<sub>max</sub> According Gamko's official testing.  
NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s; Tolerance of P<sub>max</sub>: ±3%; Measurement Tolerance: ±3%, P<sub>max</sub> According Gamko's official testing.

**BIFACIAL OUTPUT-REAR SIDE POWER GAIN**

5%	Maximum Power(P <sub>max</sub> )	599W	604W	609W	614W	620W
	Module Efficiency STC (%)	24.16%	24.38%	24.59%	24.80%	25.01%
15%	Maximum power (P <sub>max</sub> )	656W	661W	667W	673W	679W
	Module Efficiency STC (%)	26.46%	26.70%	26.93%	27.16%	27.39%
25%	Maximum Power(P <sub>max</sub> )	713W	719W	725W	731W	738W
	Module Efficiency STC (%)	28.76%	29.03%	29.28%	29.53%	29.78%

**MECHANICAL CHARACTERISTICS**

Cell type	Monocrystalline TOPCON 182*105mm
Number of cells	120(6x20)
Module dimensions	2184*1134*30MM
Weight	26.7kg
Front cover	3.2mm coated tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4mm <sup>2</sup> (0.006inches <sup>2</sup> ),Portrait: 300mm(11.81inches);
Connector	PV compatible

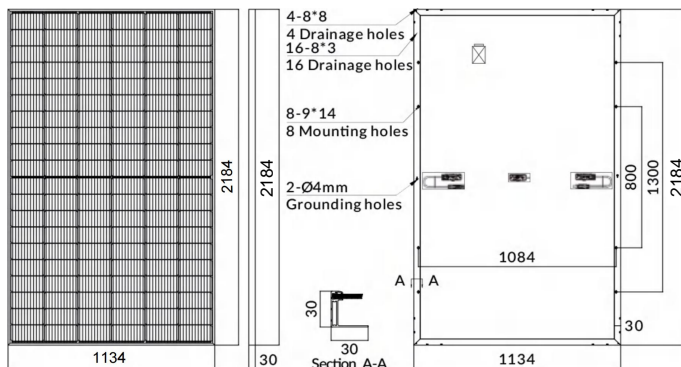
**TEMPERATURE CHARACTERISTICS**

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

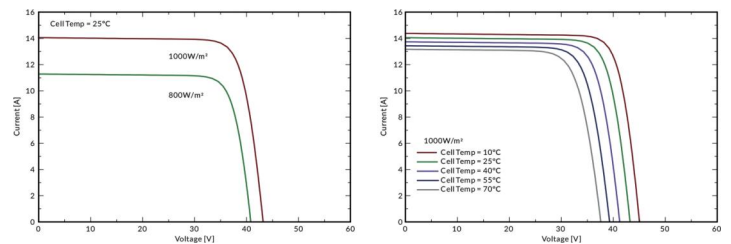
**PACKAGING**

Standard packaging	36pcs/pallet
Module quantity per 20' container	332pcs
Module quantity per 40' container	720pcs(HQ)

**ENGINEERING DRAWINGS**



**Electrical Performance & Temperature Dependence**



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