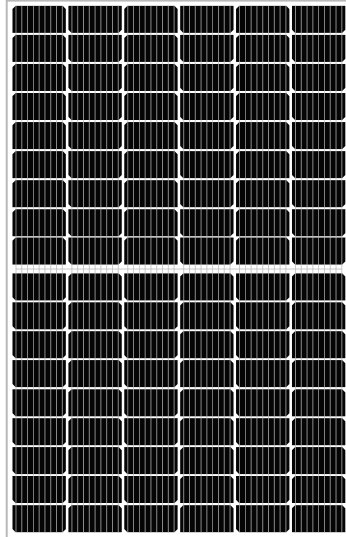
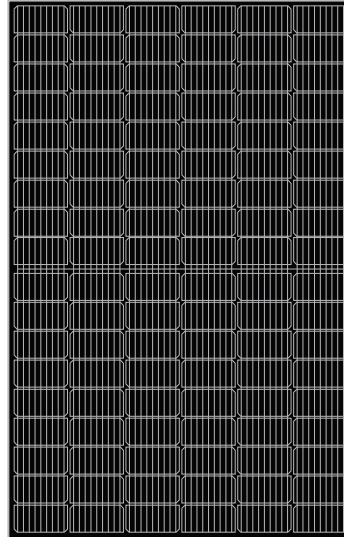


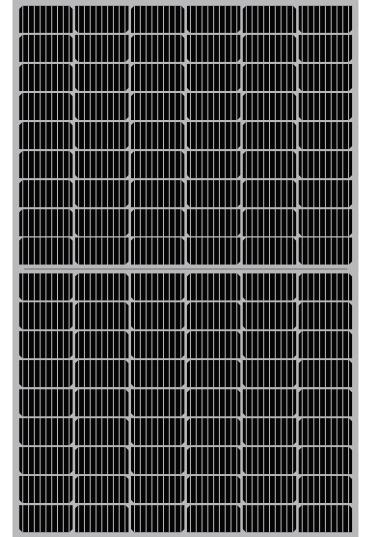
**GKA182M108**  
395W-415W



**GKA182M108S**  
STANDARD



**GKA182M108BK**  
BLACK VERSION



**GKA182M108BF**  
BIFACIAL

## KEY FEATURES

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

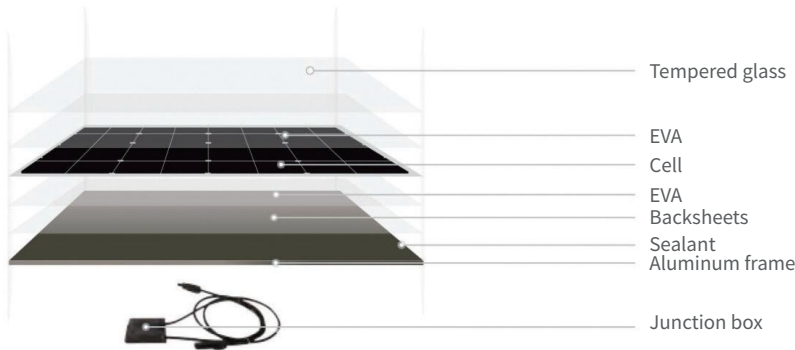
**High Efficiency:**  
Higher module conversion efficiency (up to 21.25%) benefit from Passivated Emmitter Rear Contact (PERC) technology.

**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.

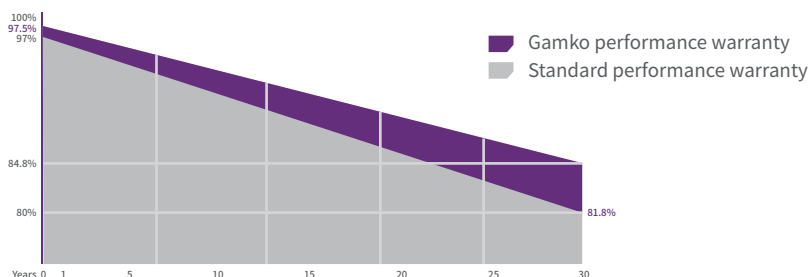


### ★ GAMKO SOLAR MODULE BOM

- 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.

**GKA182M108**  
**395W-415W**



**SPECIFICATION**

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P <sub>max</sub> )	395W	298W	400W	302W	405W	306W	410W	310W	415W	314W
Open Circuit Voltage (V <sub>oc</sub> )	37.24V	35.25V	37.49V	35.54V	37.74V	35.82V	37.98V	36.10V	38.22V	36.38V
Short Circuit Current (I <sub>sc</sub> )	13.56A	10.85A	13.63A	10.89A	13.70A	10.93A	13.77A	10.97A	13.84A	11.01A
Voltage at Maximum Power (V <sub>mpp</sub> )	31.18V	29.13V	31.40V	29.41V	31.62V	29.68V	31.83V	29.95V	32.05V	30.22V
Current at Maximum Power (I <sub>mp</sub> )	12.67A	10.23A	12.74A	10.27A	12.81A	10.31A	12.88A	10.35A	12.95A	10.39A
Module Efficiency STC (%)	20.23%		20.48%		20.74%		21.00%		21.25%	

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> )	415W	420W	425W	431W	436W
	Module Efficiency STC (%)	21.24%	21.51%	21.78%	22.05%	22.31%
15%	Maximum power (P <sub>max</sub> )	454W	460W	466W	472W	477W
	Module Efficiency STC (%)	23.26%	23.56%	23.85%	24.15%	24.44%
25%	Maximum Power(P <sub>max</sub> )	494W	500W	506W	513W	519W
	Module Efficiency STC (%)	25.28%	25.60%	25.93%	26.25%	26.57%

**MECHANICAL CHARACTERISTICS**

Cell type	Monocrystalline PERC 182*91mm
Number of cells	108(6x18)
Module dimensions	1722*1134*30MM
Weight	19.5kg
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

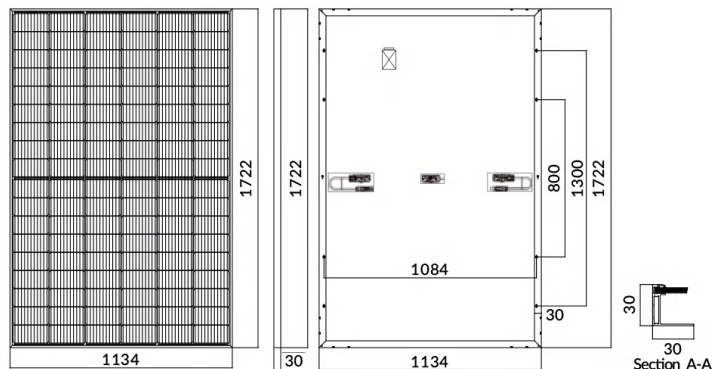
**TEMPERATURE CHARACTERISTICS**

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P <sub>max</sub>	-0.36%/°C
Temperature Coefficients of V <sub>oc</sub>	-0.28%/°C
Temperature Coefficients of I <sub>sc</sub>	-0.05%/°C

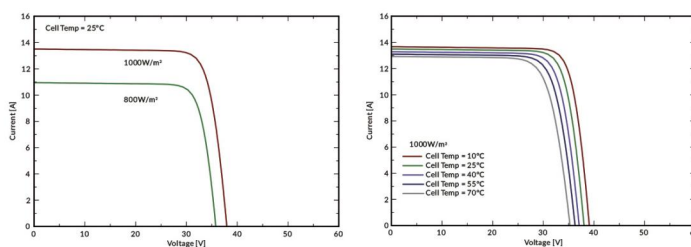
**PACKAGING**

Standard packaging	36pcs/pallet
Module quantity per 20' container	430pcs
Module quantity per 40' container	936pcs(HQ)

**ENGINEERING DRAWINGS**



**Electrical Performance & Temperature Dependence**



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