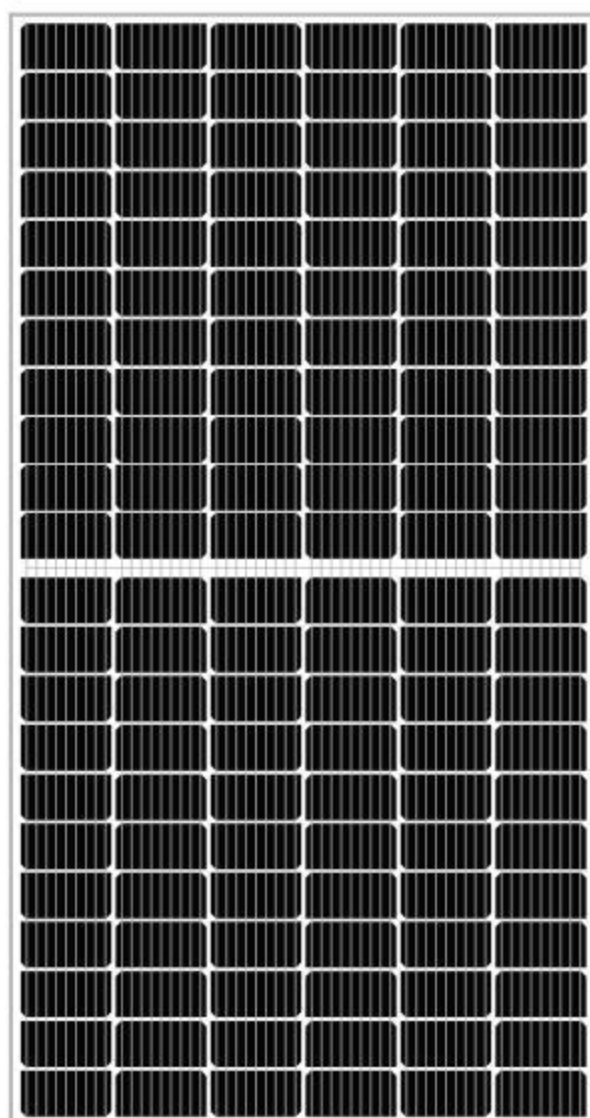
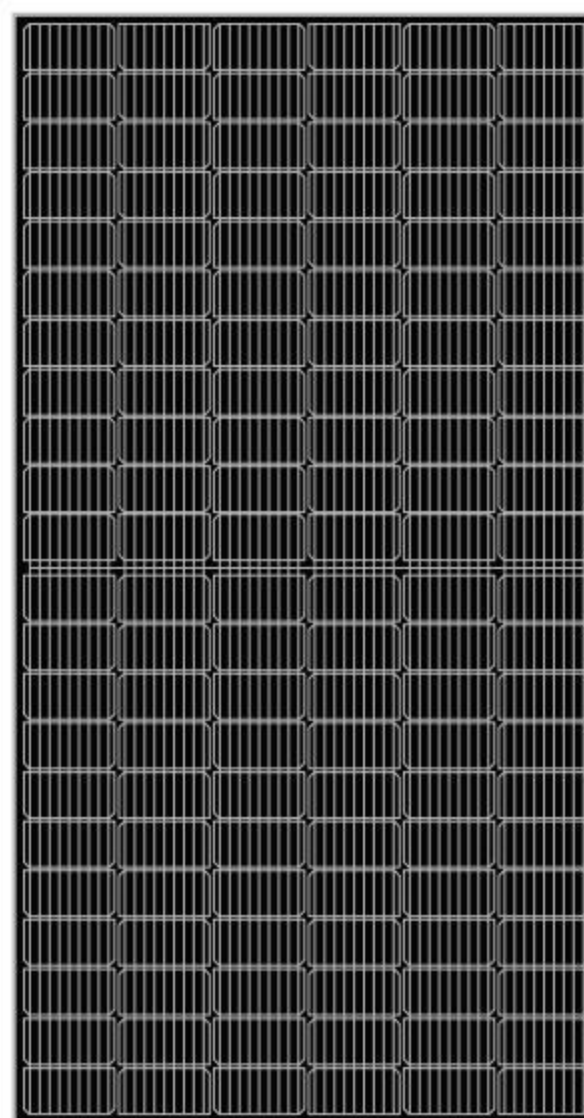


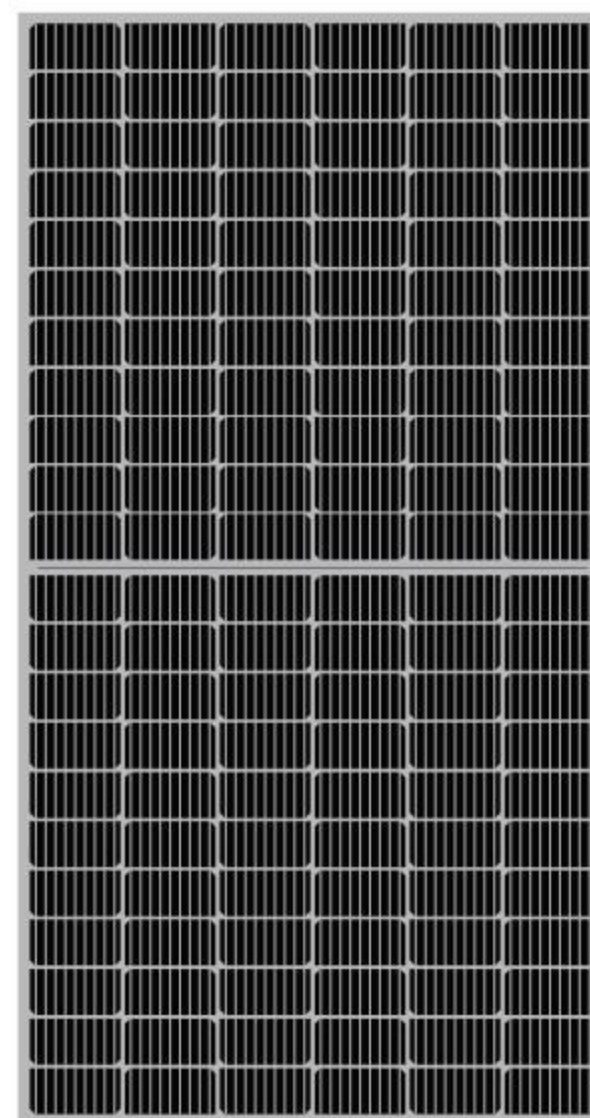
GKA182M132
485W-505W



GKA182M132S
STANDARD



GKA182M132BK
BLACK VERSION



GKA182M132BF
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 21.27%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



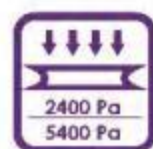
PID Resistance:

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.



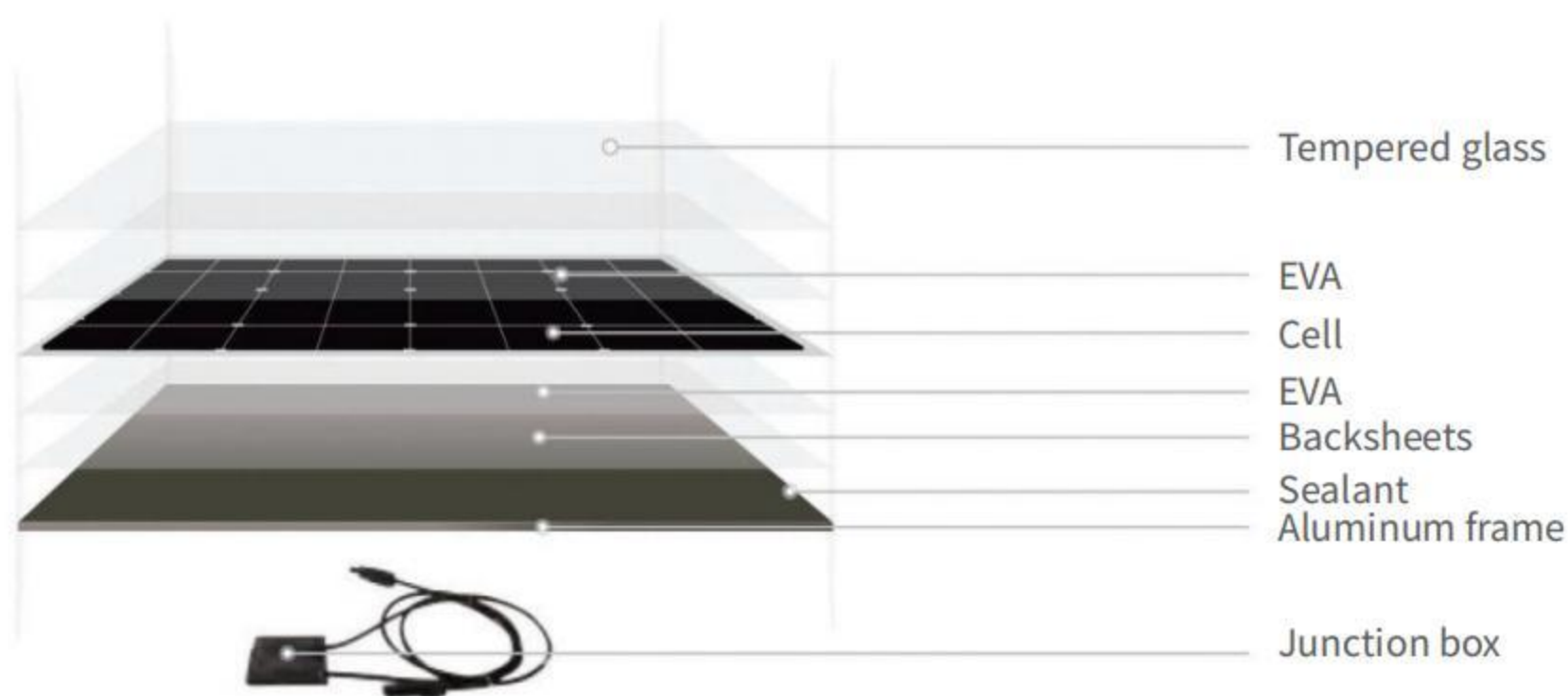
Severe Weather Resilience:

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.

GKA182M132

485W-505W



SPECIFICATION

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P_{max})	485W	365W	490W	369W	495W	373W	500W	377W	505W	381W
Open Circuit Voltage (V_{oc})	46.18V	43.53V	46.34V	43.78V	46.51V	44.03V	46.67V	44.28V	46.83V	44.52V
Short Circuit Current (I_{sc})	13.60A	10.89A	13.67A	10.93A	13.74A	10.97A	13.81A	11.01A	13.88A	11.05A
Voltage at Maximum Power (V_{mpp})	38.16V	35.54V	38.34V	35.79V	38.52V	36.04V	38.70V	36.28V	38.88V	36.53V
Current at Maximum Power (I_{mpp})	12.71A	10.27A	12.78A	10.31A	12.85A	10.35A	12.92A	10.39A	12.99A	10.43A
Module Efficiency STC (%)	20.42%		20.64%		20.85%		21.06%		21.27%	

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max} : $\pm 3\%$; Measurement Tolerance: $\pm 3\%$, P_{max} According Gamko's official testing.

NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s; Tolerance of P_{max} : $\pm 3\%$; Measurement Tolerance: $\pm 3\%$, P_{max} According Gamko's official testing.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power(P_{max})	509W	515W	520W	525W	530W
	Module Efficiency STC (%)	21.45%	21.67%	21.89%	22.11%	22.33%
15%	Maximum power (P_{max})	558W	564W	569W	575W	581W
	Module Efficiency STC (%)	23.49%	23.73%	23.97%	24.21%	24.46%
25%	Maximum Power(P_{max})	606W	613W	619W	625W	631W
	Module Efficiency STC (%)	25.53%	25.79%	26.06%	26.32%	26.58%

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC 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

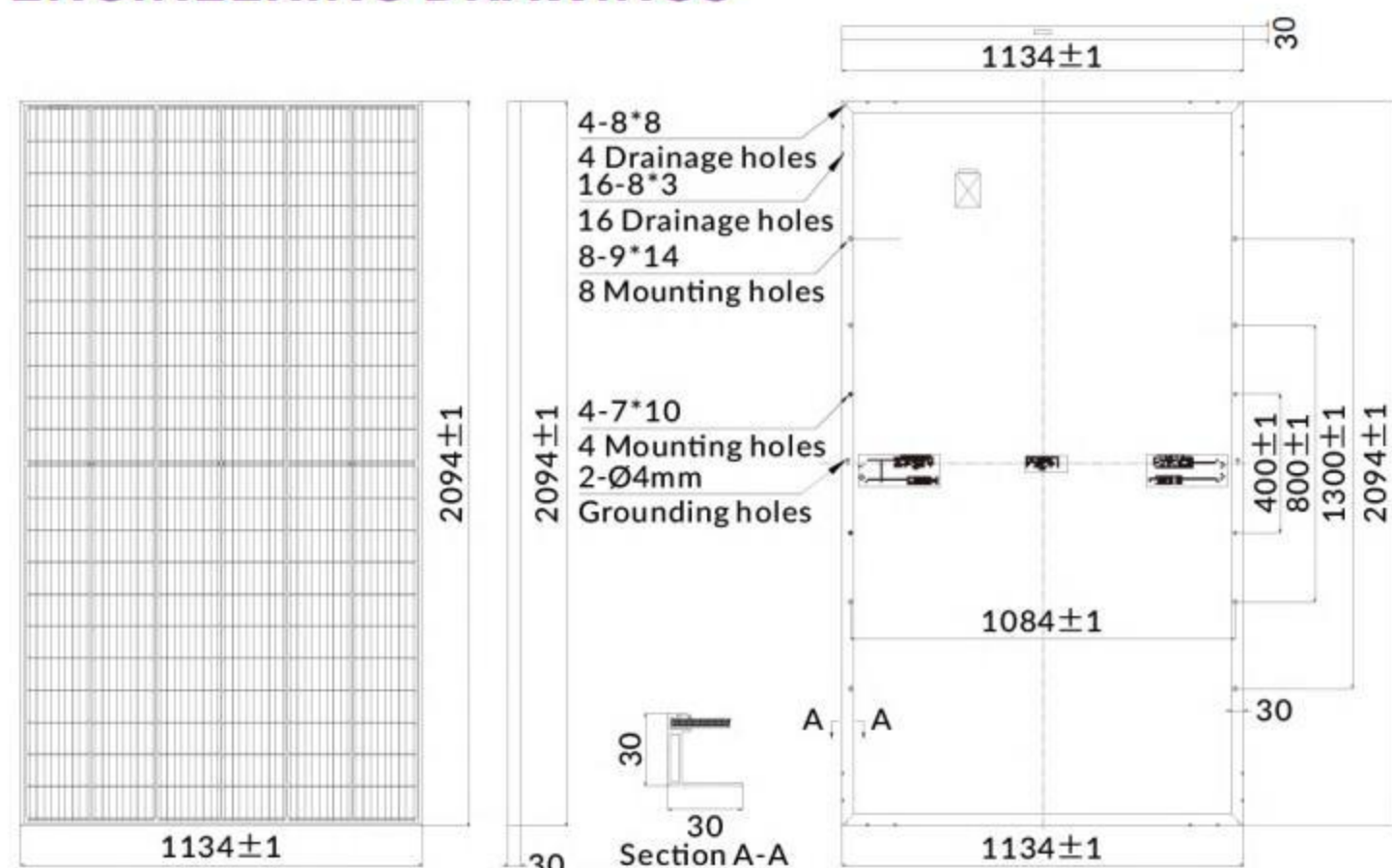
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C $\pm$ 2°C
Temperature Coefficients of P_{max}	-0.36%/°C
Temperature Coefficients of V_{oc}	-0.28%/°C
Temperature Coefficients of I_{sc}	-0.05%/°C

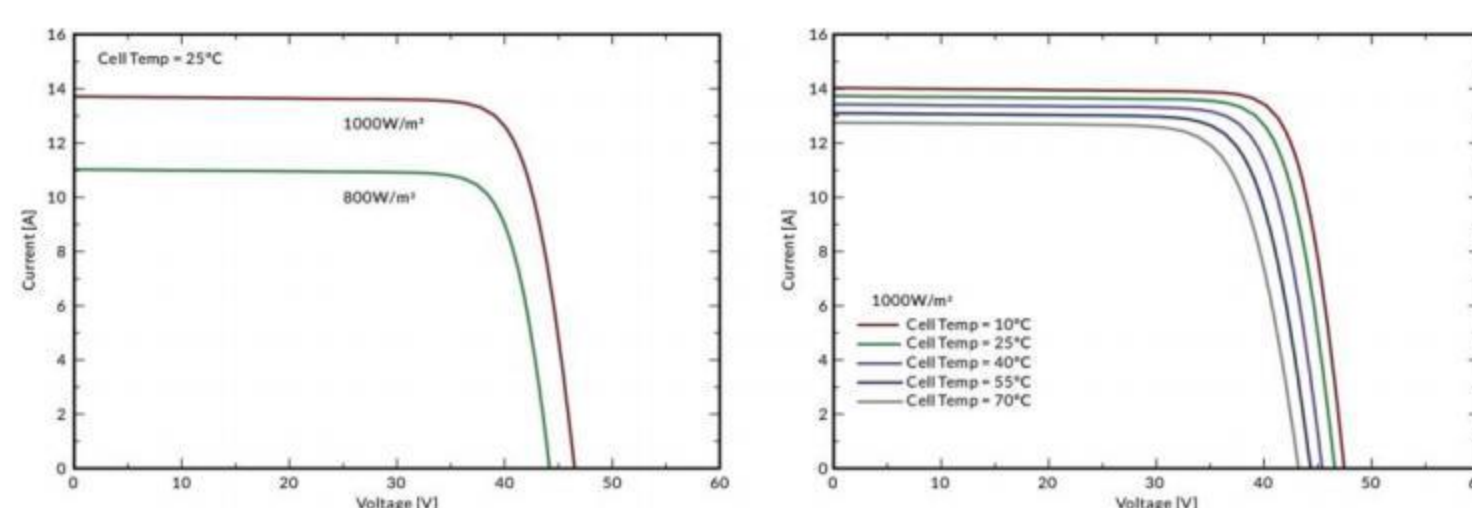
PACKAGING

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.