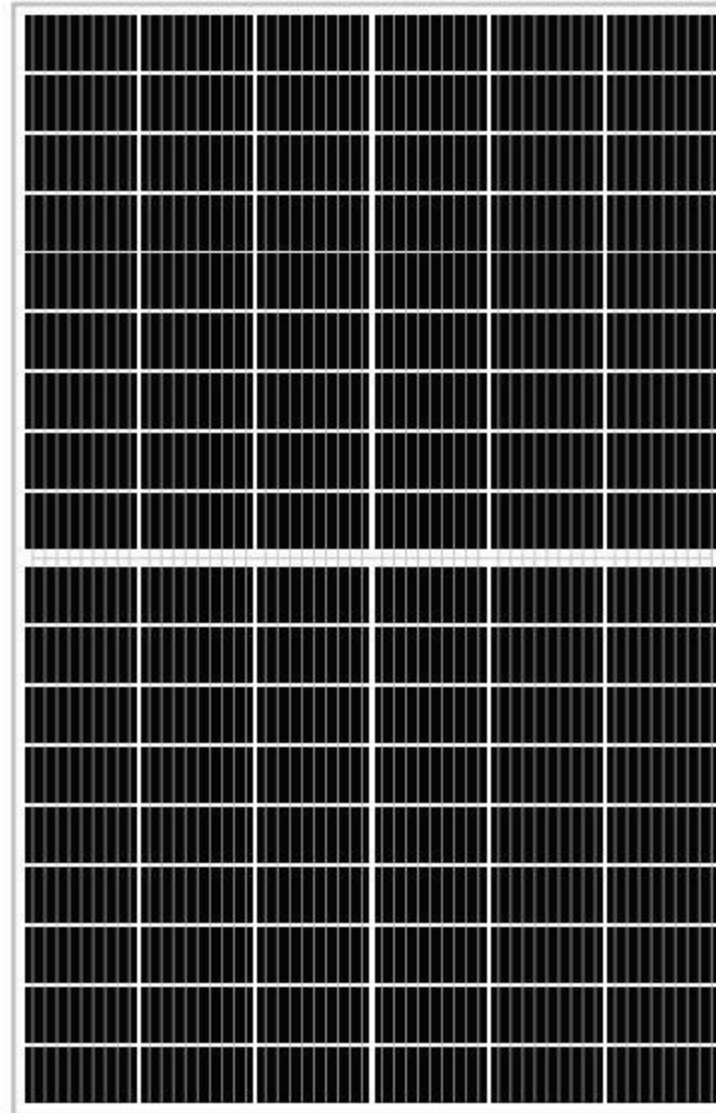
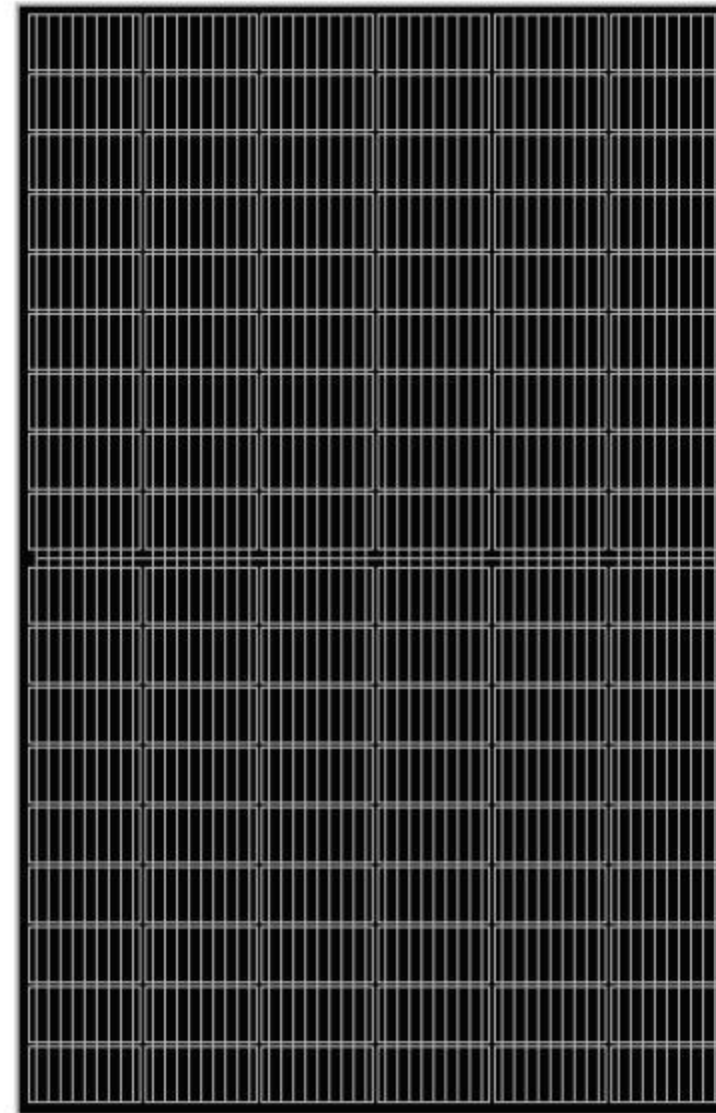


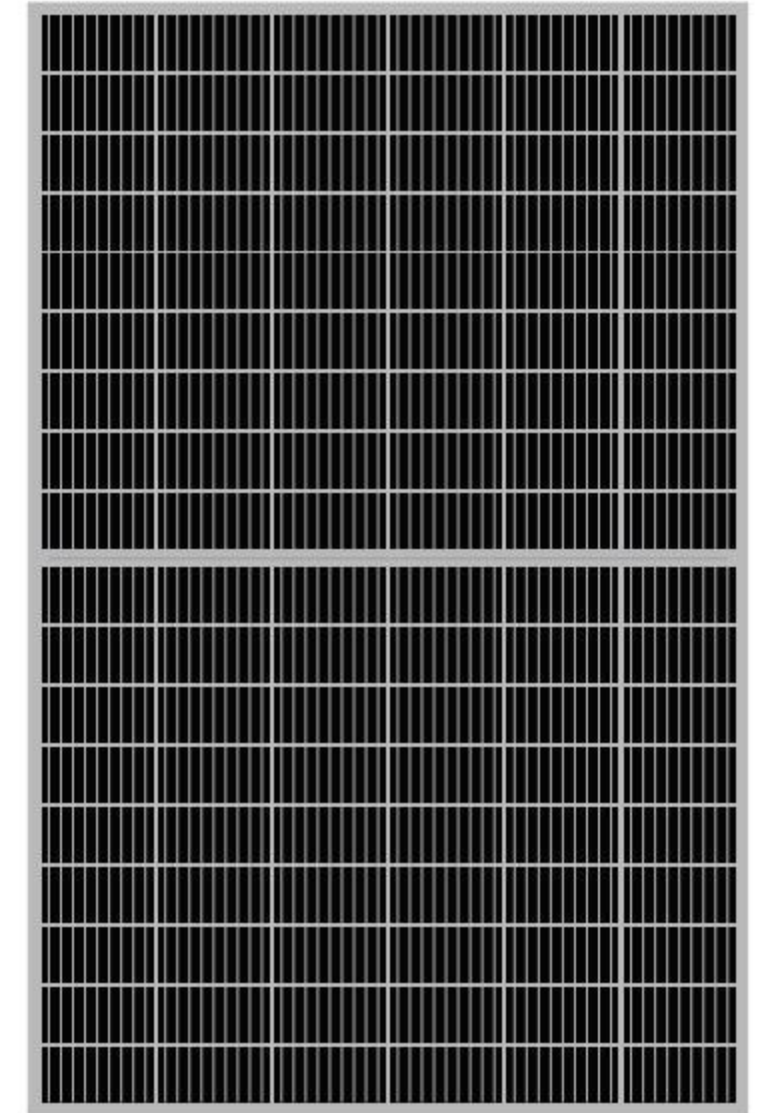
**GKA210M108**  
530W-550W



**GKA210M108S**  
STANDARD



**GKA210M108BK**  
BLACK VERSION

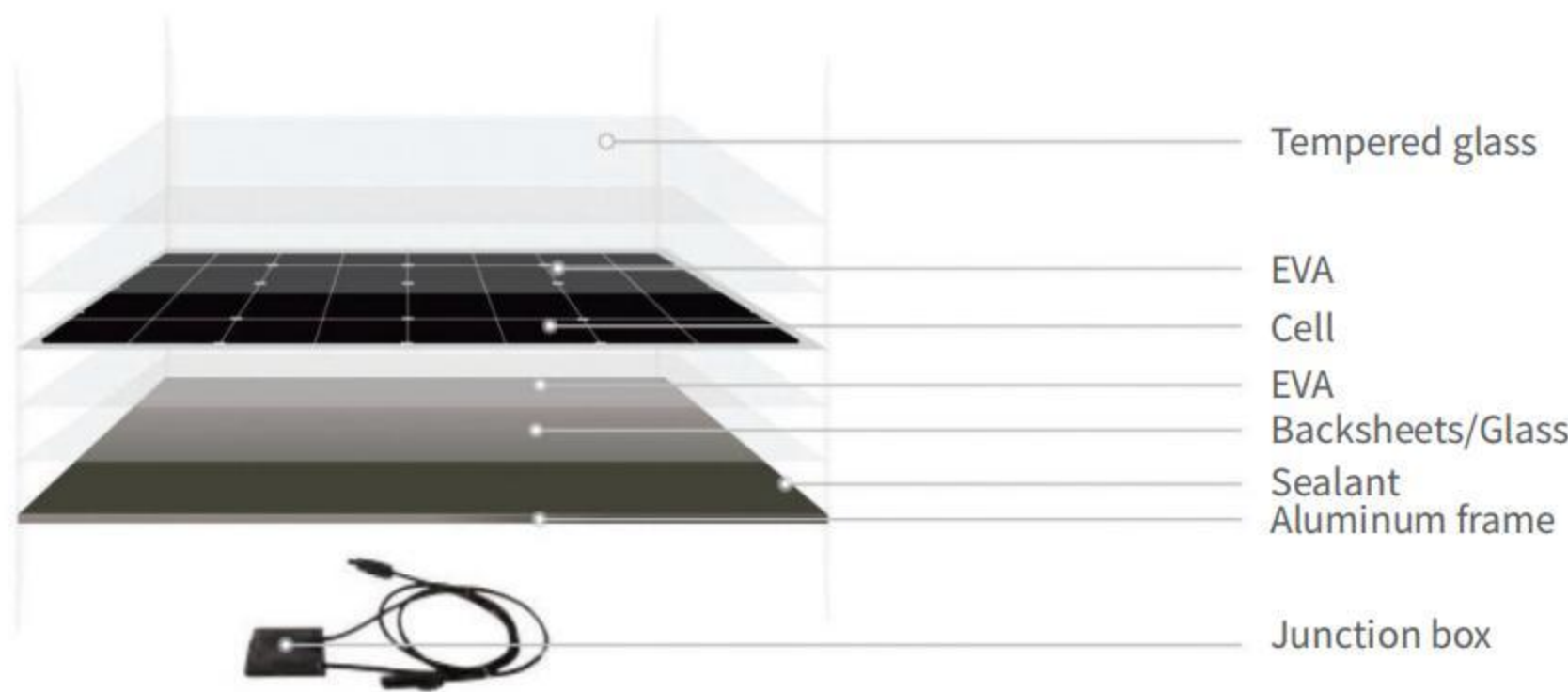


**GKA210M108BF**  
BIFACIAL

**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 21.54%) 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 (5400Pascal).
- DURABILITY AGAINST EXTREME ENVIRONMENTAL CONDITIONS:**  
High salt mist and ammonia resistance certified.

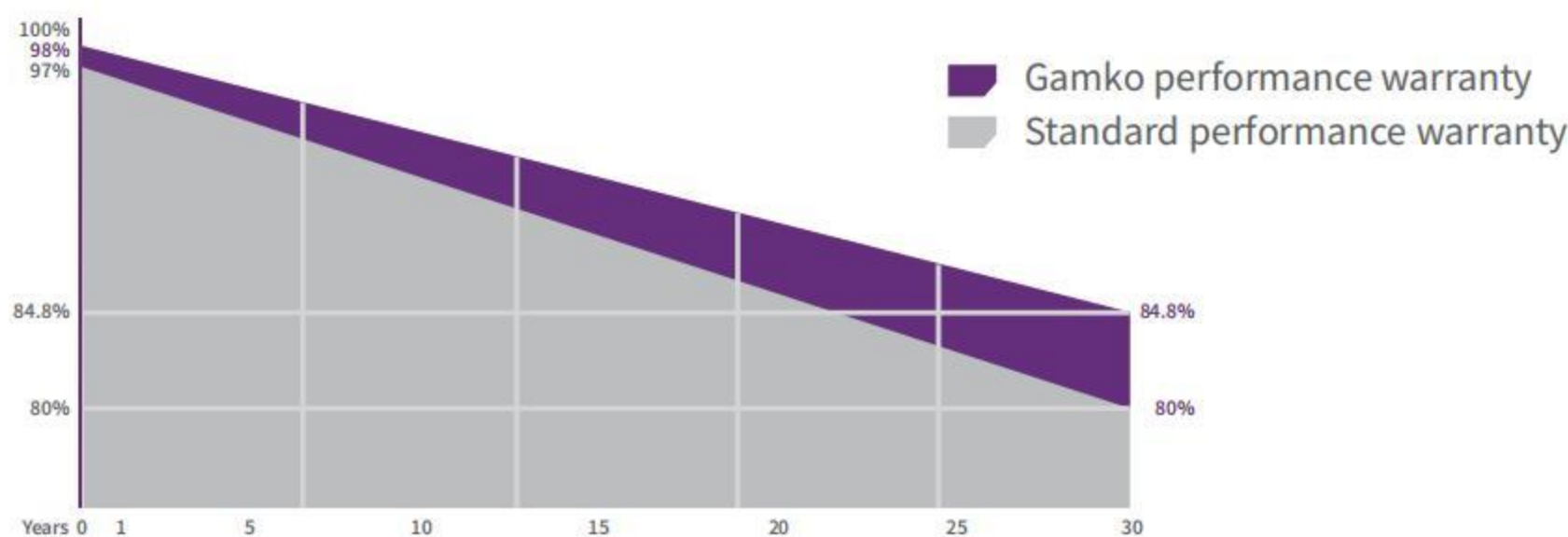


**★ GAMKO SOLAR MODULE BOM**

- 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.

**GKA210M108**  
**530W-550W**



**SPECIFICATION**

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P <sub>max</sub> )	530W	398W	535W	401W	540W	405W	545W	409W	550W	413W
Open Circuit Voltage (V <sub>oc</sub> )	36.57V	34.82V	36.83V	35.07V	37.09V	35.31V	37.35V	35.56V	37.61V	35.80V
Short Circuit Current (I <sub>sc</sub> )	18.26A	14.70A	18.30A	14.73A	18.34A	14.77A	18.39A	14.80A	18.43A	14.83A
Voltage at Maximum Power (V <sub>mpp</sub> )	30.48V	28.04V	30.69V	28.24V	30.91V	28.44V	31.13V	28.64V	31.34V	28.83V
Current at Maximum Power (I <sub>mpp</sub> )	17.39A	14.18A	17.43A	14.21A	17.47A	14.24A	17.51A	14.27A	17.55A	14.31A
Module Efficiency STC (%)	20.75%		20.95%		21.14%		21.34%		21.54%	

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> )	557W	562W	567W	572W	578W
	Module Efficiency STC (%)	21.79%	22.00%	22.20%	22.41%	22.61%
15%	Maximum power (P <sub>max</sub> )	610W	615W	621W	627W	633W
	Module Efficiency STC (%)	23.87%	24.09%	24.32%	24.54%	24.77%
25%	Maximum Power(P <sub>max</sub> )	663W	669W	675W	681W	688W
	Module Efficiency STC (%)	25.94%	26.19%	26.43%	26.68%	26.92%

**MECHANICAL CHARACTERISTICS**

Cell type	Monocrystalline PERC 210*105mm
Number of cells	108(6x18)
Module dimensions	1960*1303*30MM
Weight	25.5kg
Front cover	3.2mm (0.13inches)tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68 rated (3 by pass diodes)
Cable	4mm <sup>2</sup> (0.006inches <sup>2</sup> ),Portrait: 300mm(11.81inches);
Connector	PV compatible

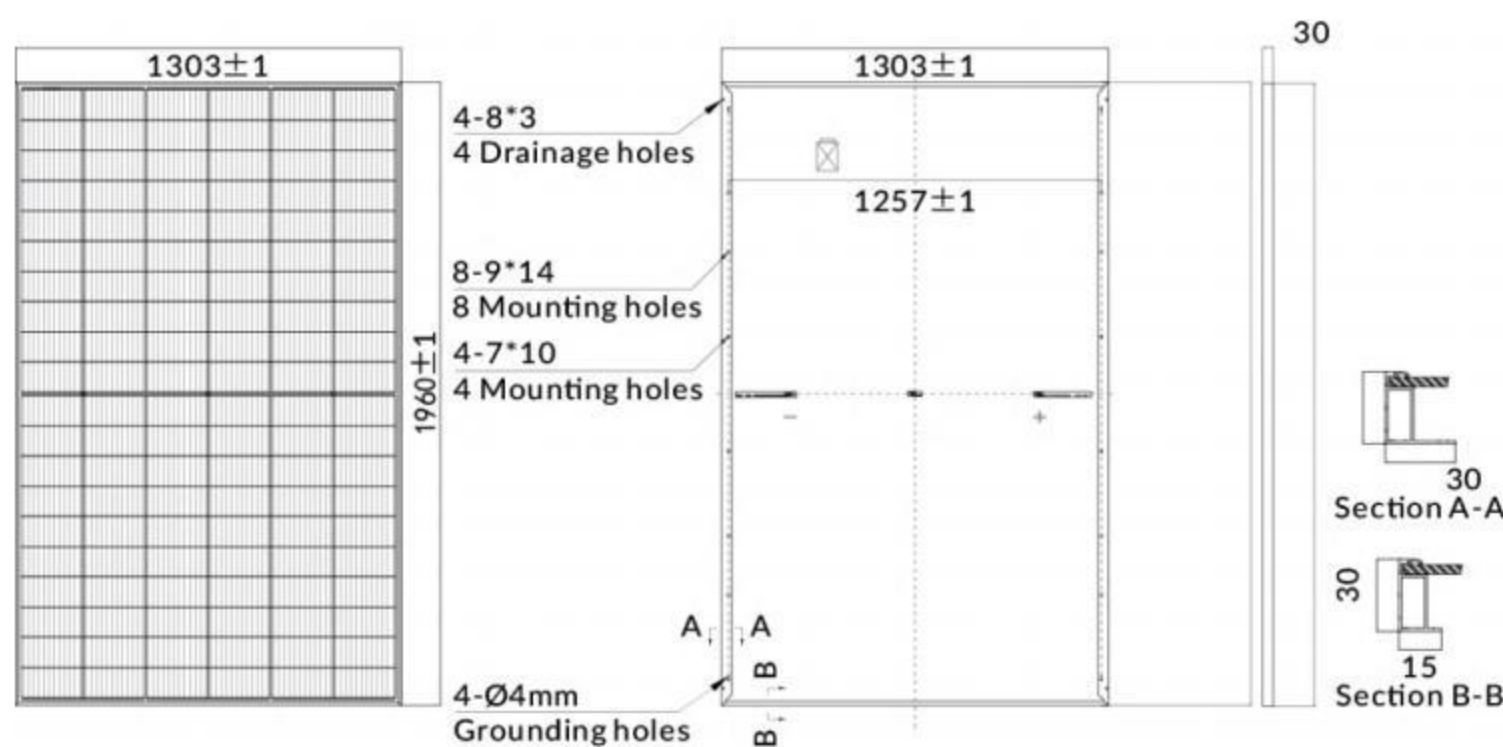
**TEMPERATURE CHARACTERISTICS**

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P <sub>max</sub>	-0.34%/°C
Temperature Coefficients of V <sub>oc</sub>	-0.25%/°C
Temperature Coefficients of I <sub>sc</sub>	-0.04%/°C

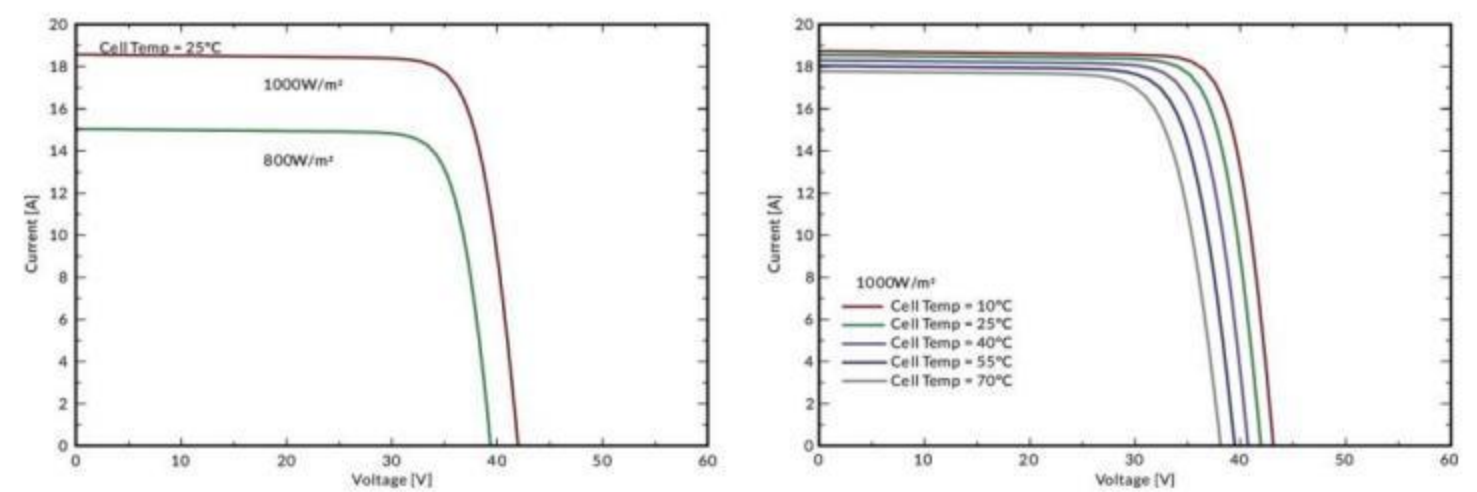
**PACKAGING**

Standard packaging	36pcs/pallet
Module quantity per 20' container	308pcs
Module quantity per 40' container	738pcs(HQ)

**ENGINEERING DRAWINGS**



**Electrical Performance & Temperature Dependence**



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