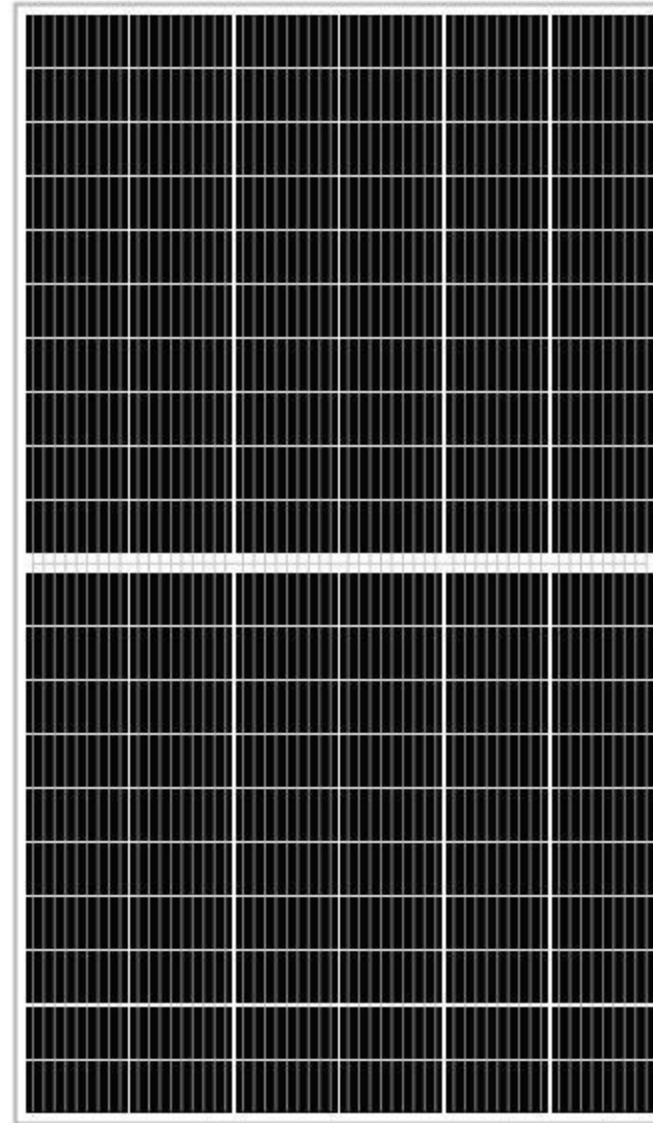
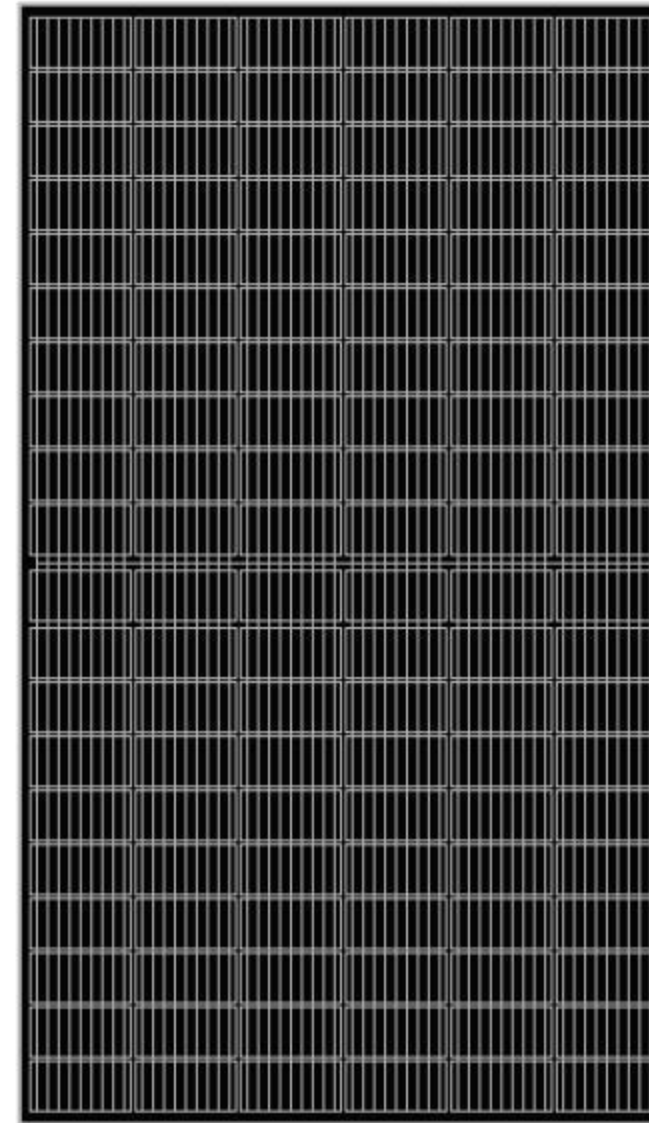


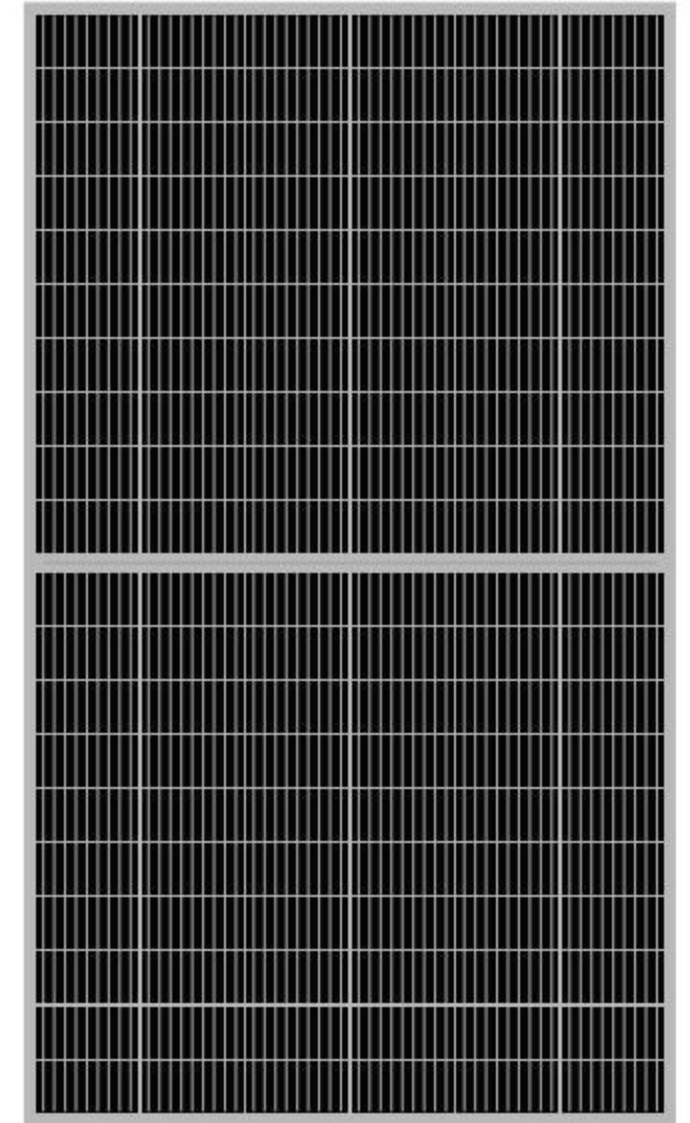
**GKA210N120**  
**625W-645W**



**GKA210N120S**  
**STANDARD**



**GKA210N120BK**  
**BLACK VERSION**

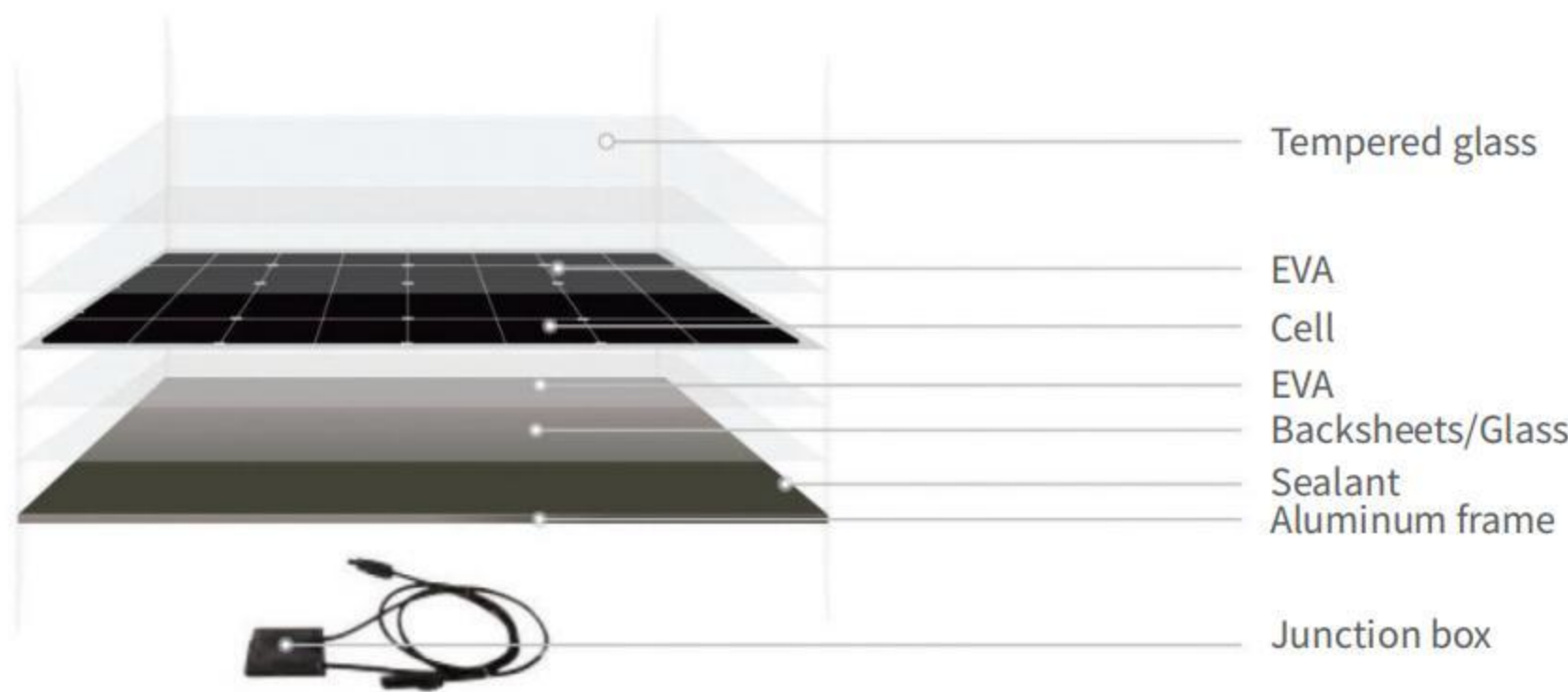


**GKA210N120BF**  
**BIFACIAL**

**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 22.79%) 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.

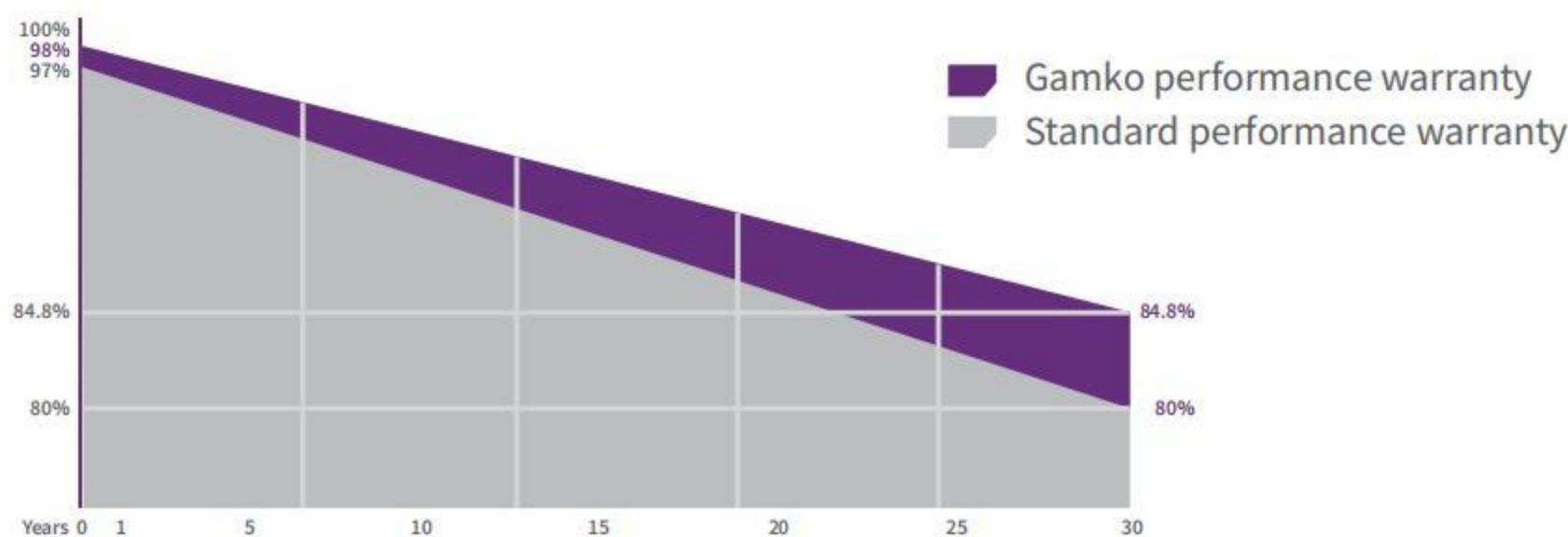


**★ GAMKO SOLAR MODULE BOM**

- 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.



**GKA210N120**  
**625W-645W**



**SPECIFICATION**

	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(P <sub>max</sub> )	625W	469W	630W	473W	635W	476W	640W	480W	645W	484W
Open Circuit Voltage (V <sub>oc</sub> )	41.10V	39.12V	41.29V	39.31V	41.55V	39.55V	41.78V	39.78V	42.02V	40.00V
Short Circuit Current (I <sub>sc</sub> )	19.16A	15.43A	19.23A	15.48A	19.26A	15.50A	19.30A	15.54A	19.34A	15.57A
Voltage at Maximum Power (V <sub>mpp</sub> )	34.25V	31.51V	34.41V	31.65V	34.62V	31.85V	34.82V	32.03V	35.02V	32.21V
Current at Maximum Power (I <sub>mpp</sub> )	18.25A	14.88A	18.31A	14.93A	18.34A	14.95A	18.38A	14.98A	18.42A	15.02A
Module Efficiency STC (%)	22.08%		22.26%		22.44%		22.61%		22.79%	

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> )	656W	662W	667W	672W	677W
	Module Efficiency STC (%)	23.19%	23.37%	23.56%	23.74%	23.93%
15%	Maximum power (P <sub>max</sub> )	719W	725W	730W	736W	742W
	Module Efficiency STC (%)	25.40%	25.60%	25.80%	26.01%	26.21%
25%	Maximum Power(P <sub>max</sub> )	781W	788W	794W	800W	806W
	Module Efficiency STC (%)	27.60%	27.83%	28.05%	28.27%	28.49%

**MECHANICAL CHARACTERISTICS**

Cell type	Monocrystalline TOPCON 210*105mm
Number of cells	120(6x20)
Module dimensions	2172*1303*30MM
Weight	28kg
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

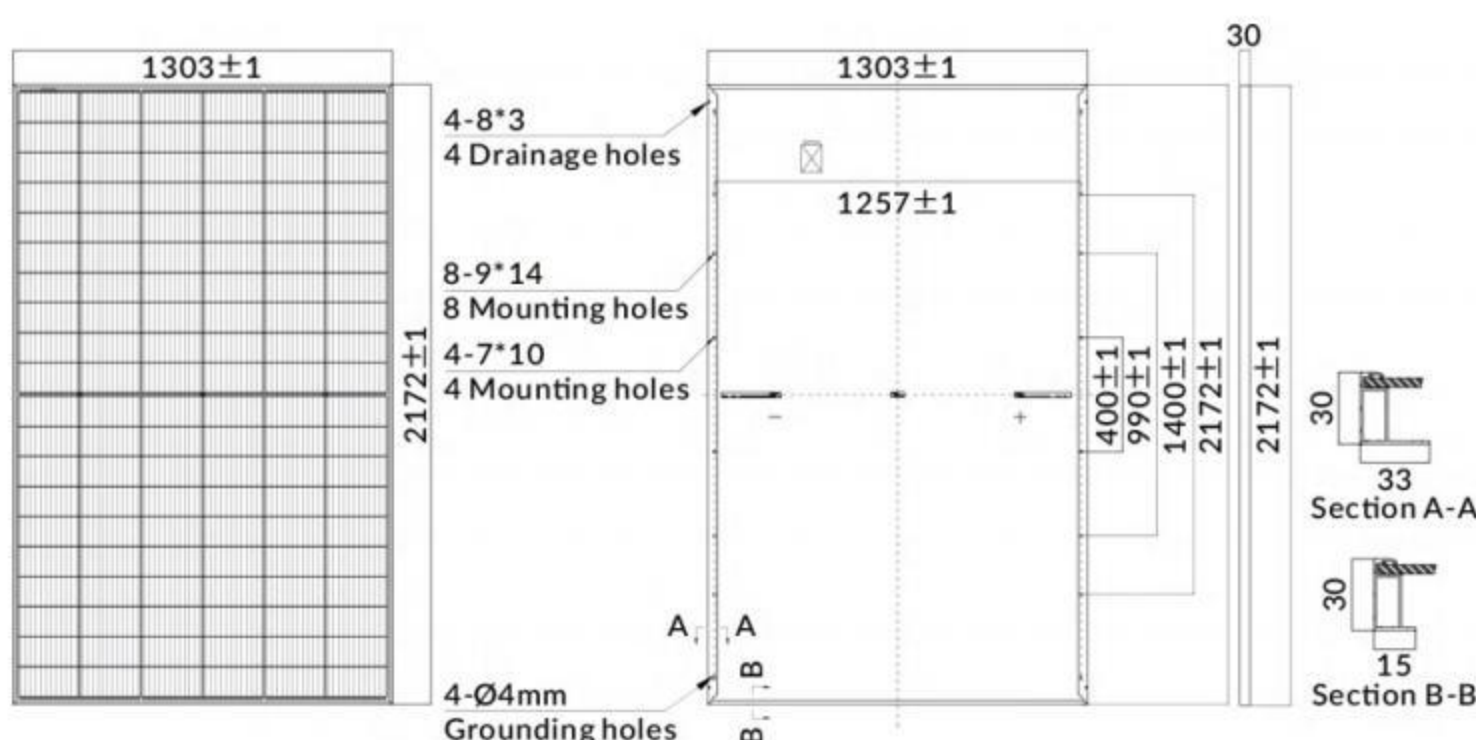
**TEMPERATURE CHARACTERISTICS**

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

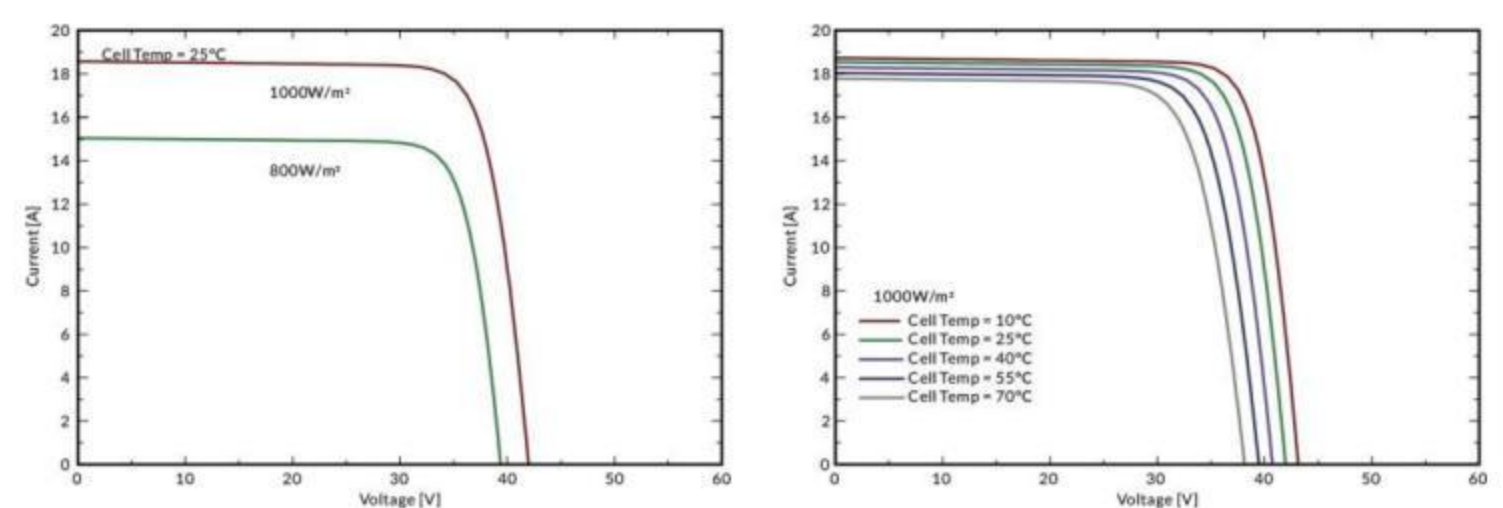
**PACKAGING**

Standard packaging	36pcs/pallet
Module quantity per 20' container	288pcs(no pallet)
Module quantity per 40' container	648pcs(HQ)

**ENGINEERING DRAWINGS**



**Electrical Performance & Temperature Dependence**



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