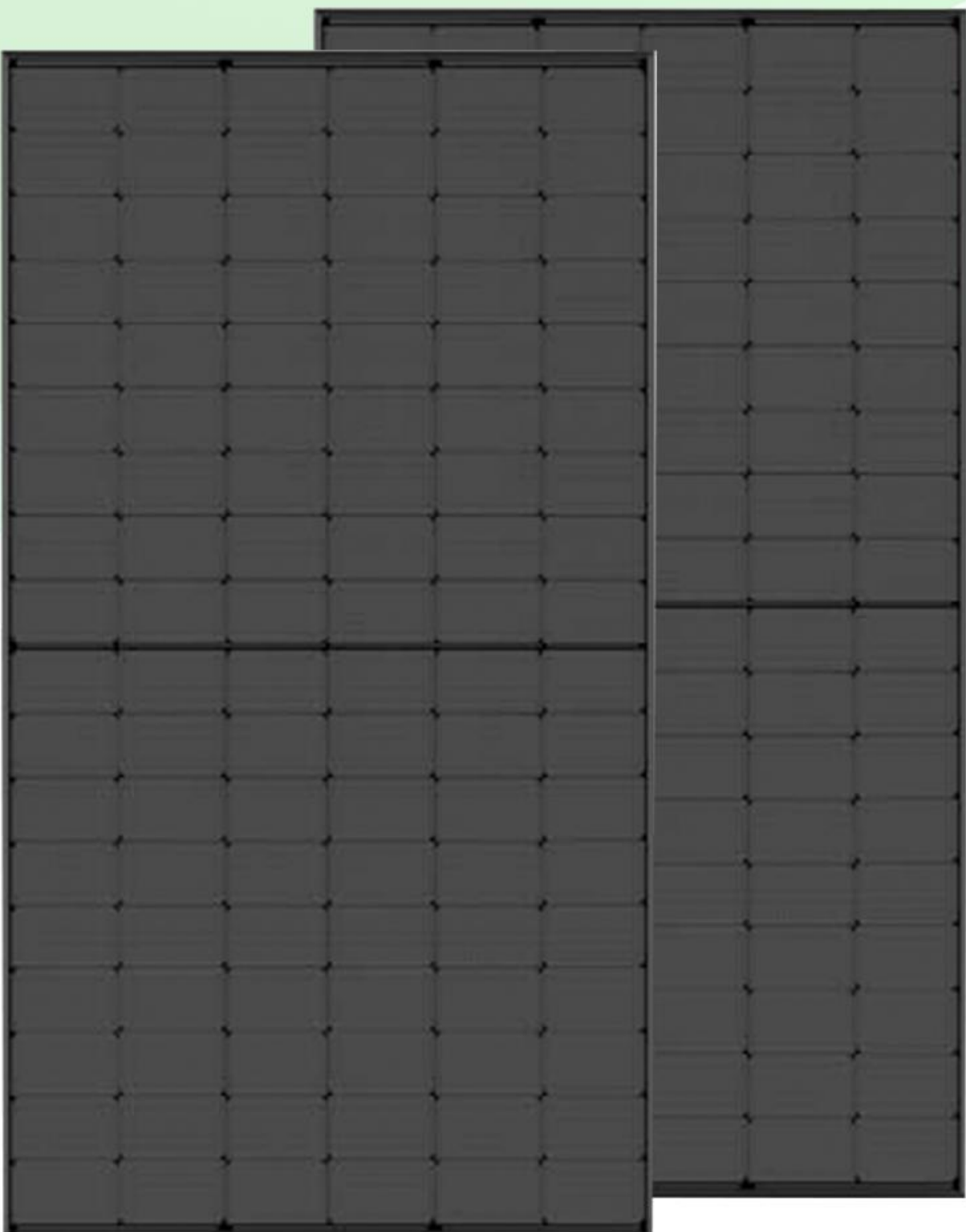


FY -182-108NBDG

BIFACIAL MODULE WITH DUAL GLASS

425W-445W



445W

Maximum Power Output

22.27%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



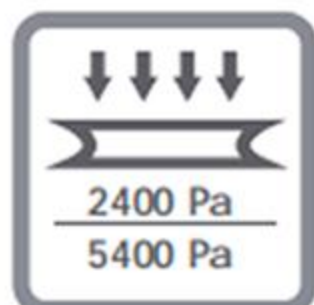
Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

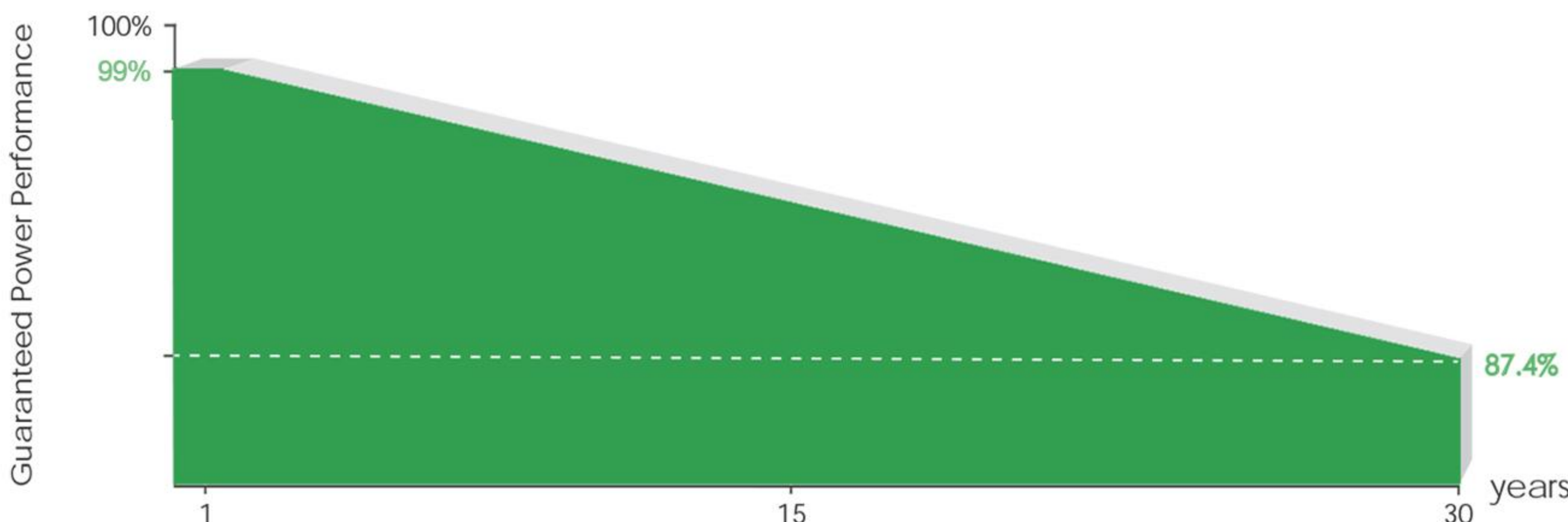
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



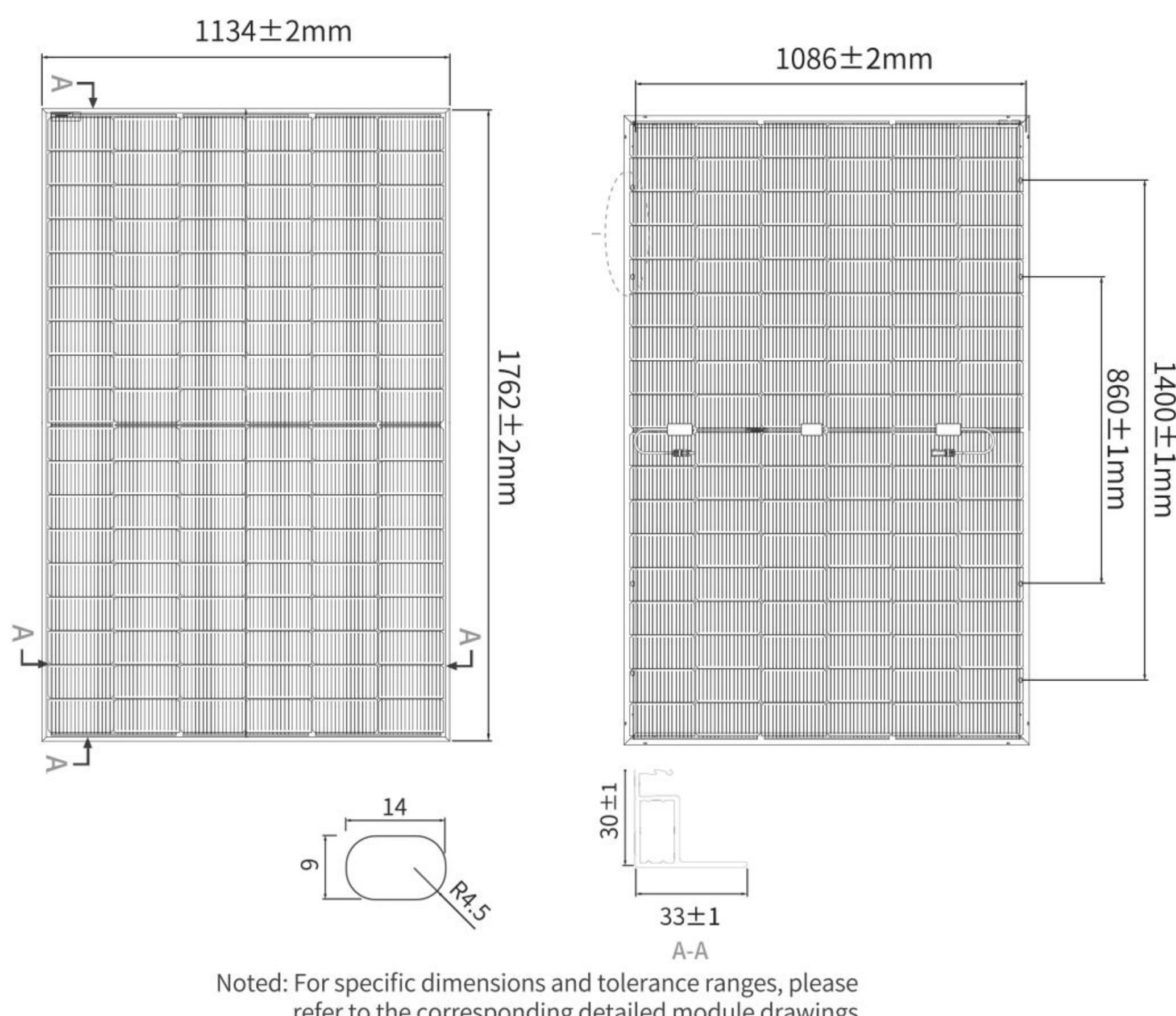
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

SPECIFICATIONS

Module Type	FY-108-425NBDG		FY-108-430NBDG		FY-108-435NBDG		FY-108-440NBDG		FY-108-445NBDG	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	425Wp	320Wp	430Wp	324Wp	435Wp	328Wp	440Wp	332Wp	445Wp	335Wp
Maximum Power Voltage (Vmp)	32.90V	30.33V	33.08V	30.51V	33.26V	30.69V	33.44V	30.90V	33.61V	31.11V
Maximum Power Current (Imp)	12.92A	10.56A	13.00A	10.62A	13.08A	10.68A	13.16A	10.73A	13.24A	10.78A
Open-circuit Voltage (Voc)	39.23V	37.26V	39.43V	37.45V	39.63V	37.64V	39.83V	37.83V	40.03V	38.02V
Short-circuit Current (Isc)	13.77A	11.12A	13.84A	11.17A	13.91A	11.23A	13.98A	11.28A	14.05A	11.34A
Module Efficiency STc (%)	21.27%		21.52%		21.77%		22.02%		22.27%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC(IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3°C									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

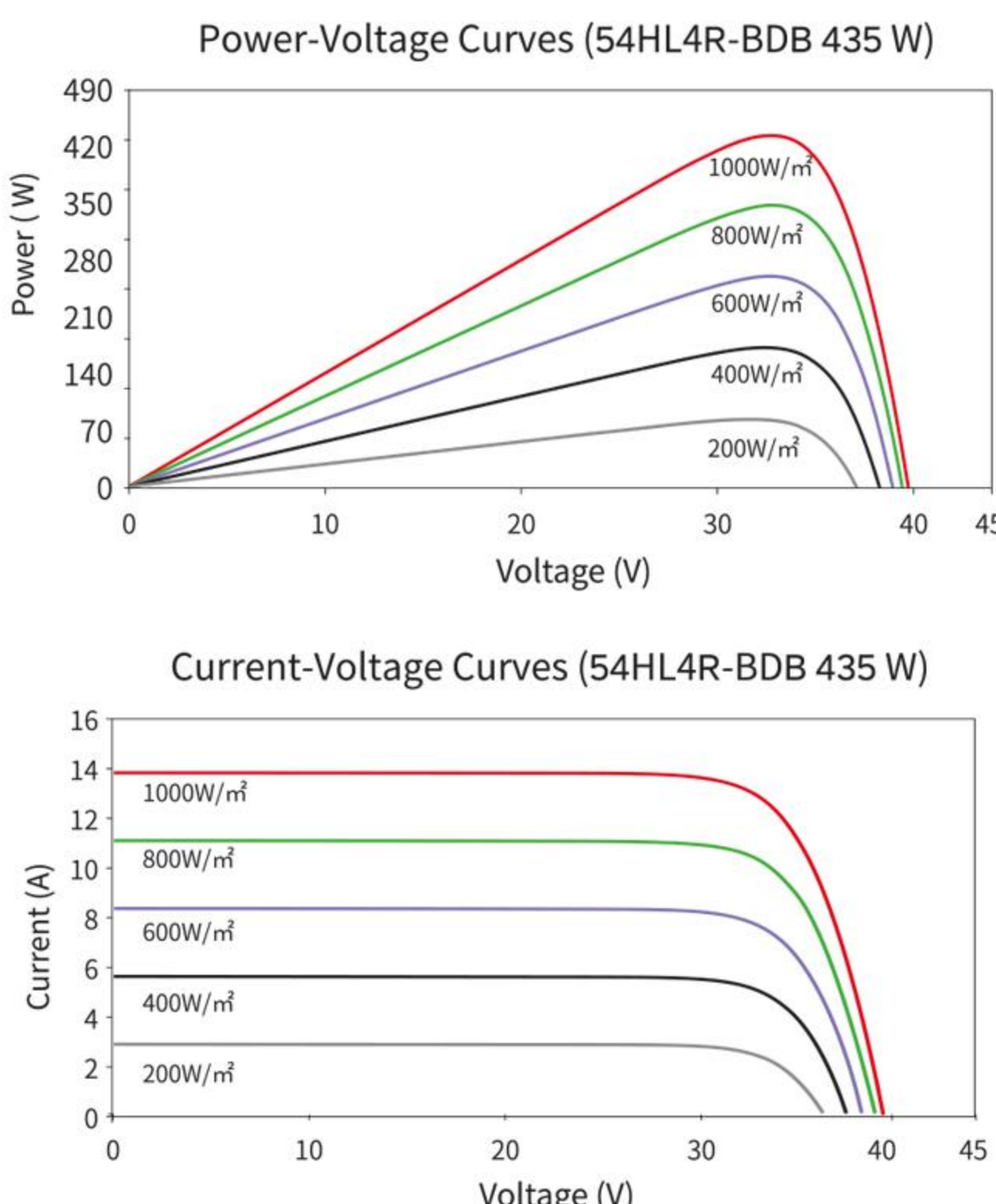
Engineering Drawings



Packaging Configuration

37pcs/pallets, 74pcs/stack, 962pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
NO.of cells	108 (54×2)
Dimensions	1762×1134×30mm
Weight	24.5 kg
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated