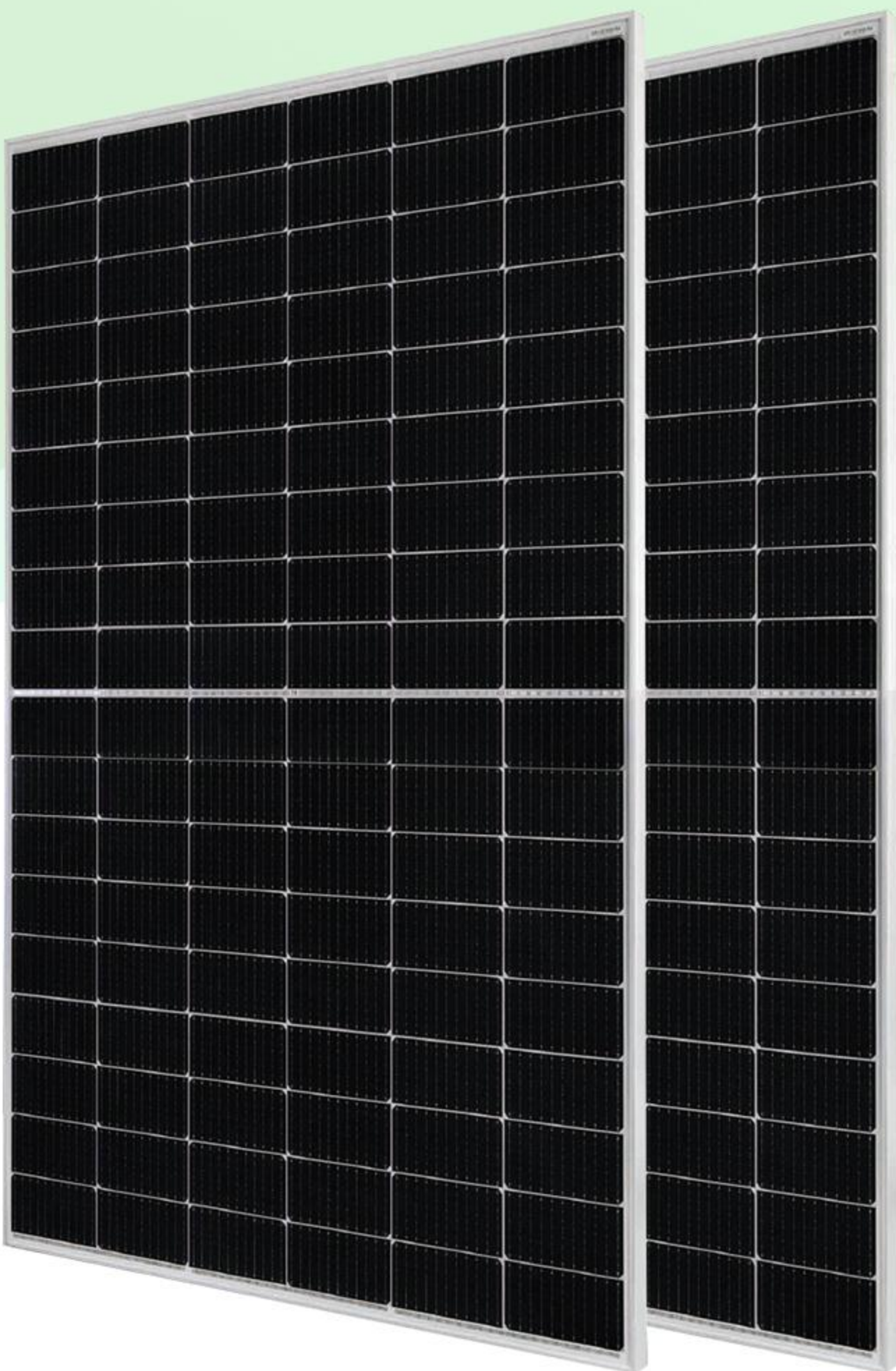


FY 182-108M

MONO-FACIAL MODULE

400W-420W



420W

Maximum Power Output

21.4%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

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



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



PID Resistance

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



Enhanced Mechanical Load

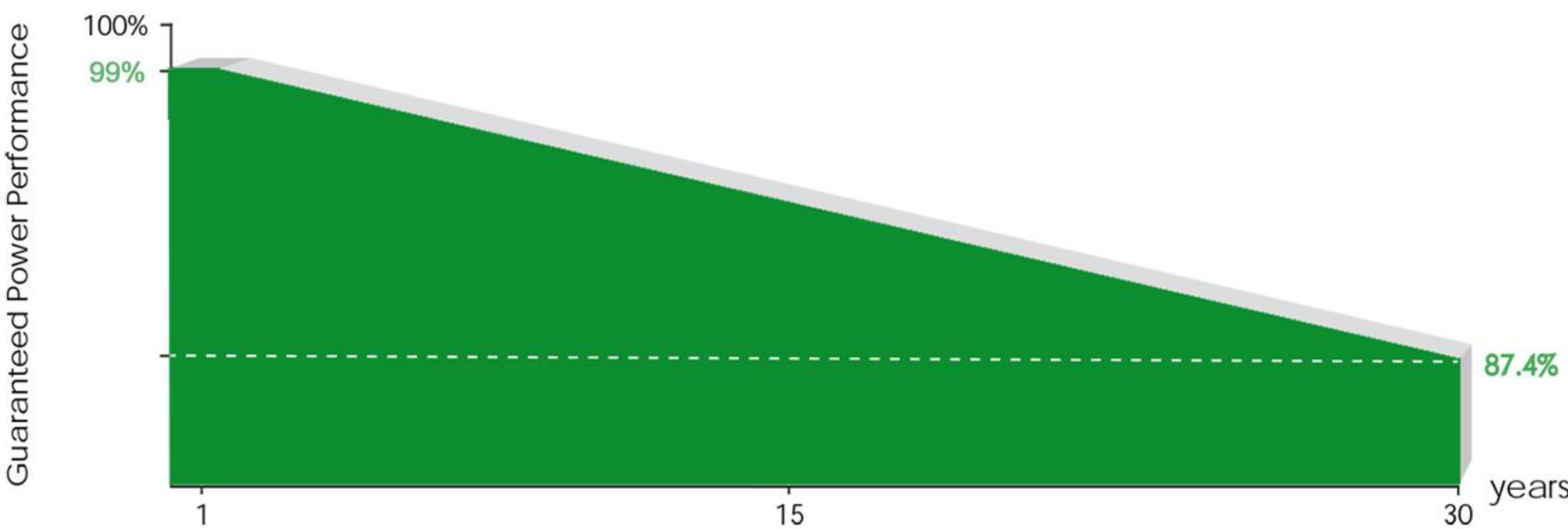
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



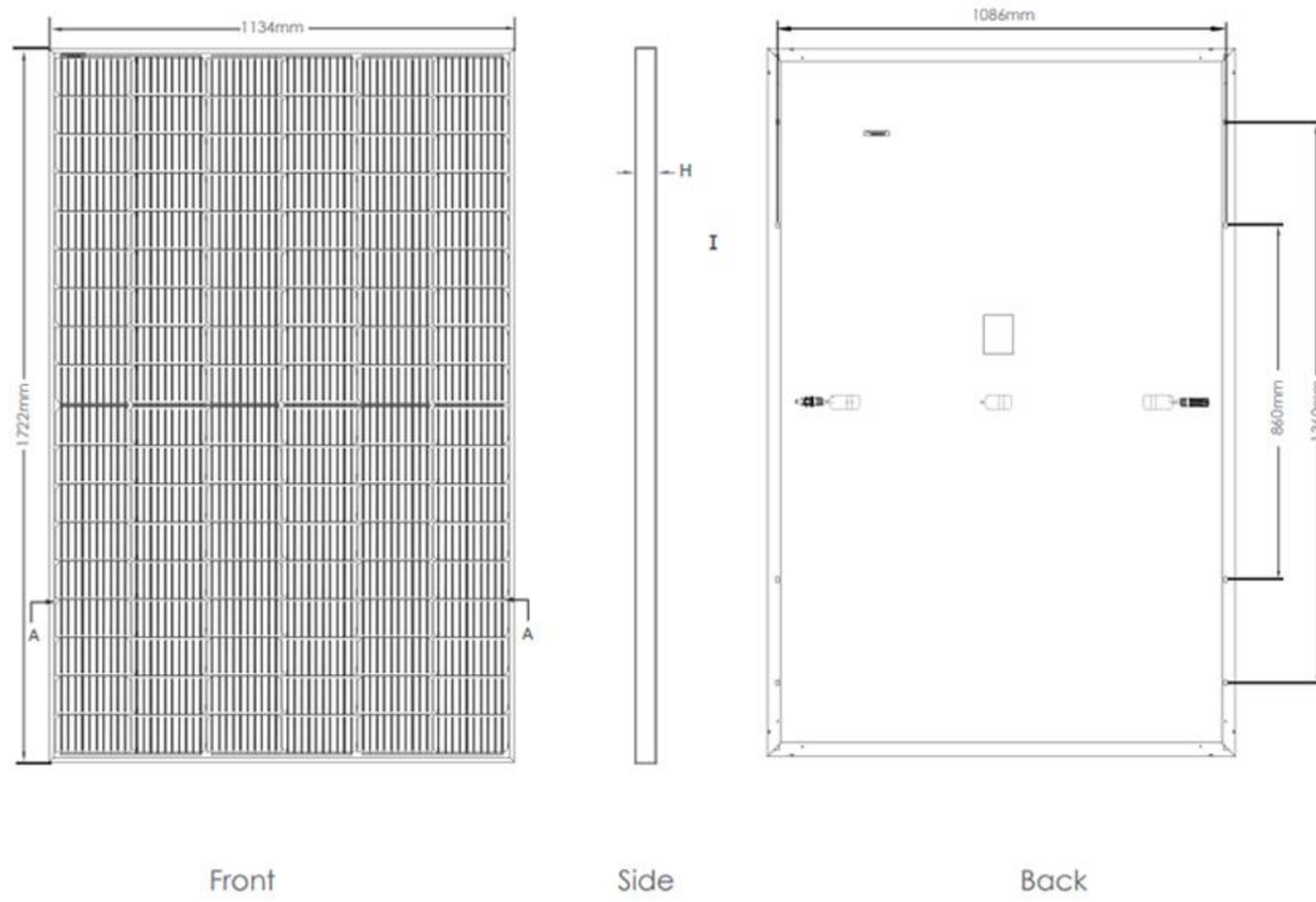
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

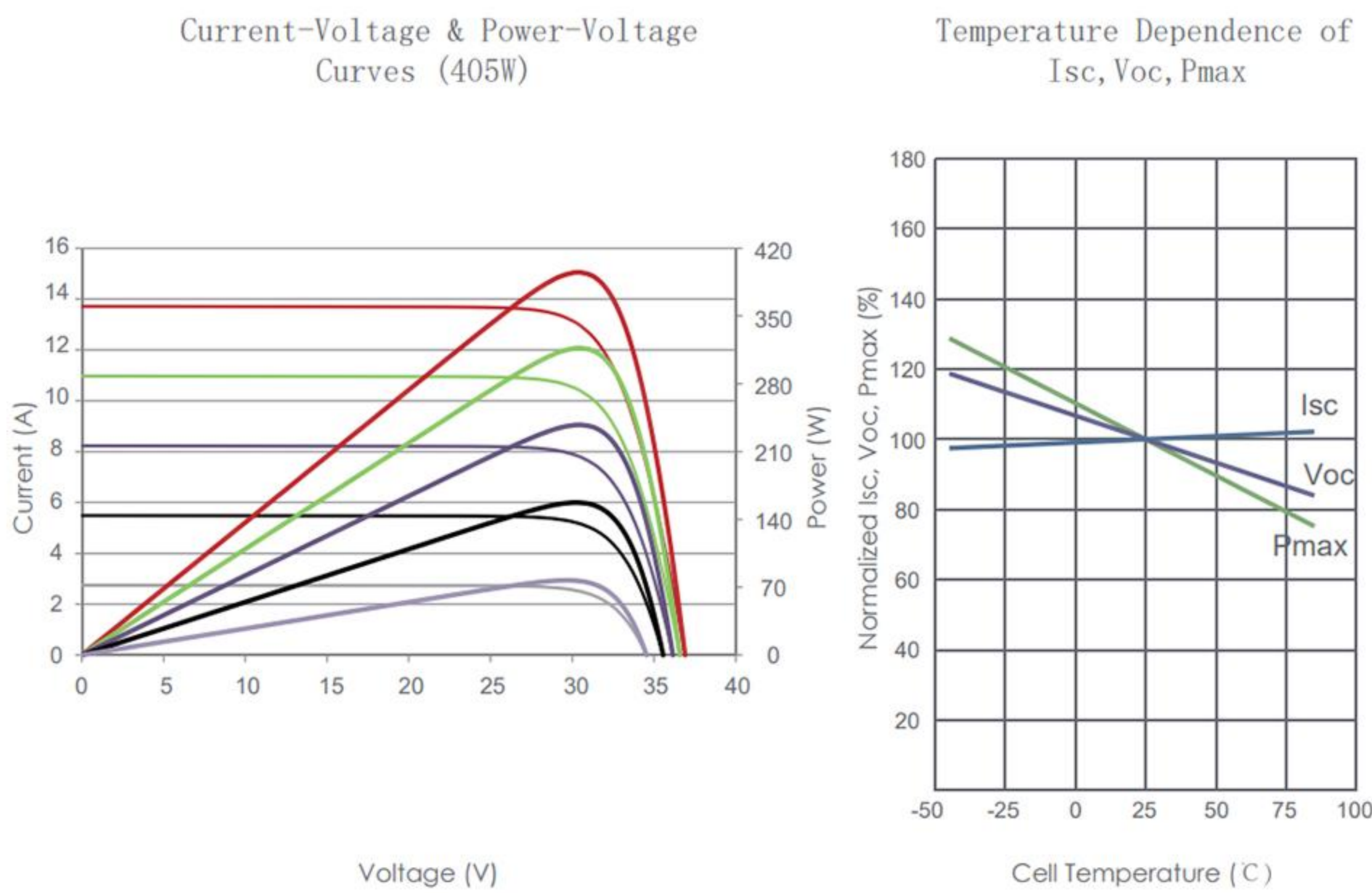
SPECIFICATIONS

Module Type	FY-108-400M		FY-108-405M		FY-108-410M		FY-108-415M		FY-108-420M	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	400Wp	301Wp	405Wp	305Wp	410Wp	308Wp	415Wp	312Wp	420Wp	316Wp
Maximum Power Voltage (Vmp)	31.28V	28.89V	31.47V	29.08V	31.66V	29.59V	31.85V	29.78V	32.04W	29.97V
Maximum Power Current (Imp)	12.79A	10.30A	12.87A	10.36A	12.95A	10.42A	13.03A	10.48A	13.11A	10.54A
Open-circuit Voltage (Voc)	37.38V	35.50V	37.58V	35.69V	37.77V	35.88V	37.96V	36.06V	38.15V	36.24V
Short-circuit Current (Isc)	13.55A	10.94A	13.62A	11.00A	13.68A	11.04A	13.74A	11.09A	13.80A	11.14A
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC(IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3°C									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.046%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
NO.of cells	108 (6x18)
Dimensions	1722×1134×30mm (67.80×44.65×1.18 inch)
Weight	22.0 kg (48.50 lbs)
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated

Packaging Configuration

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container