

FY -182- 120N

MONO-FACIAL MODULE

470W-490W



470W

Maximum Power Output

21.2%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

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



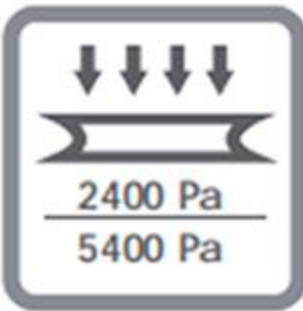
Hot 2.0 Technology

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

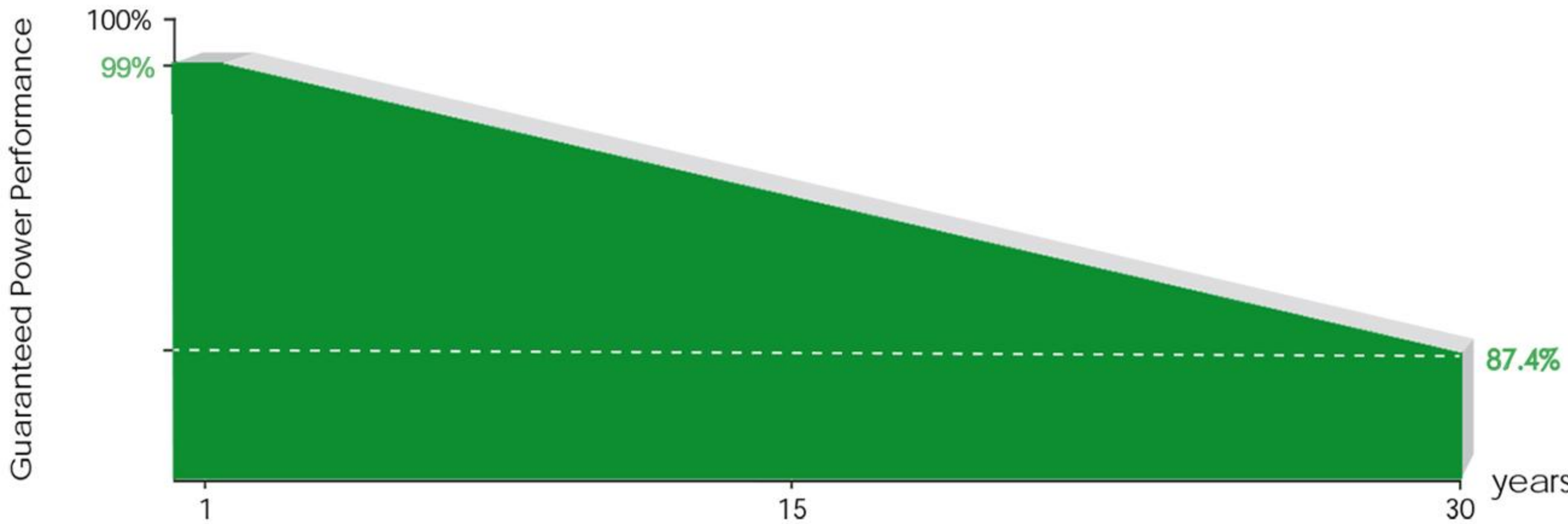
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



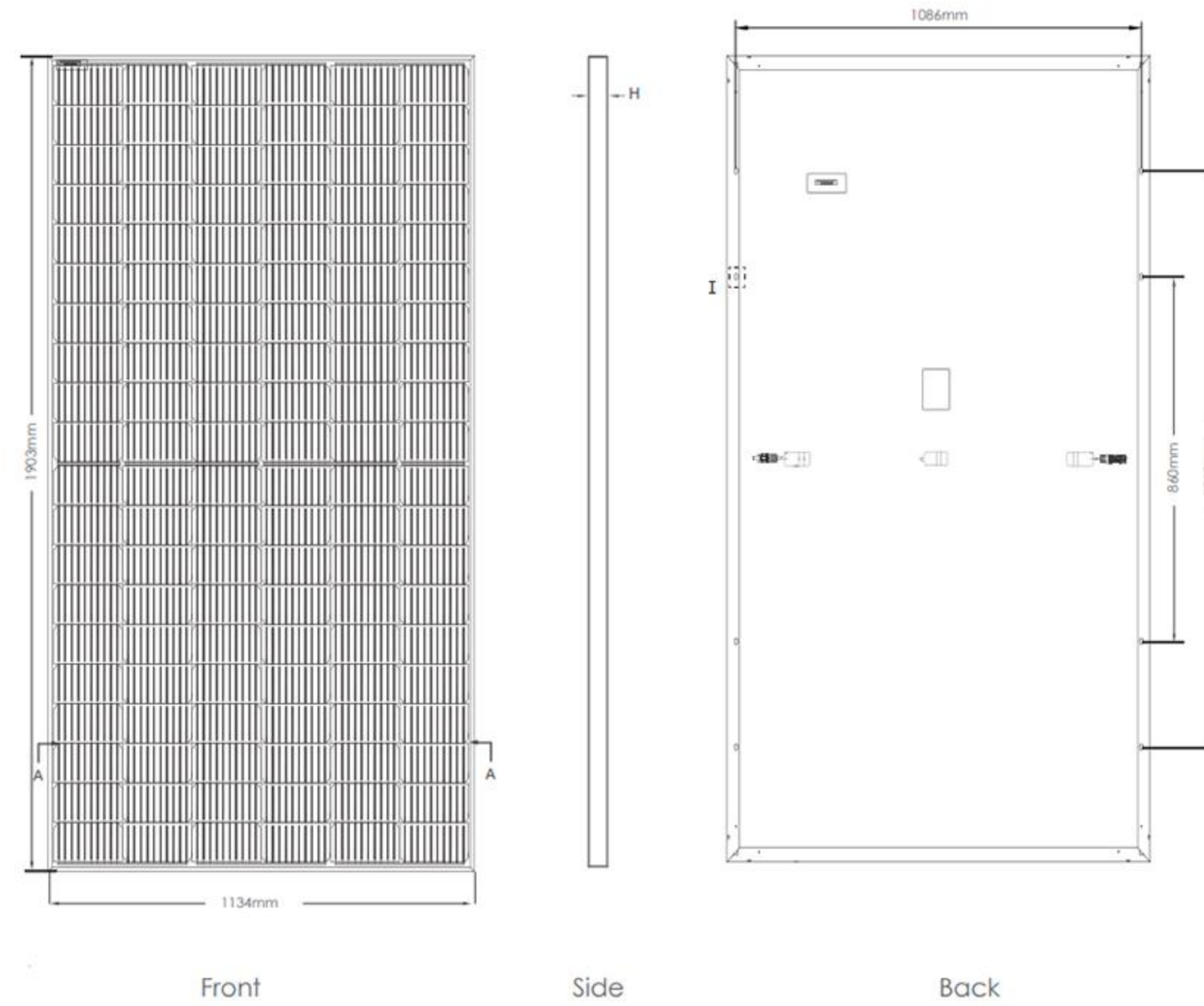
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

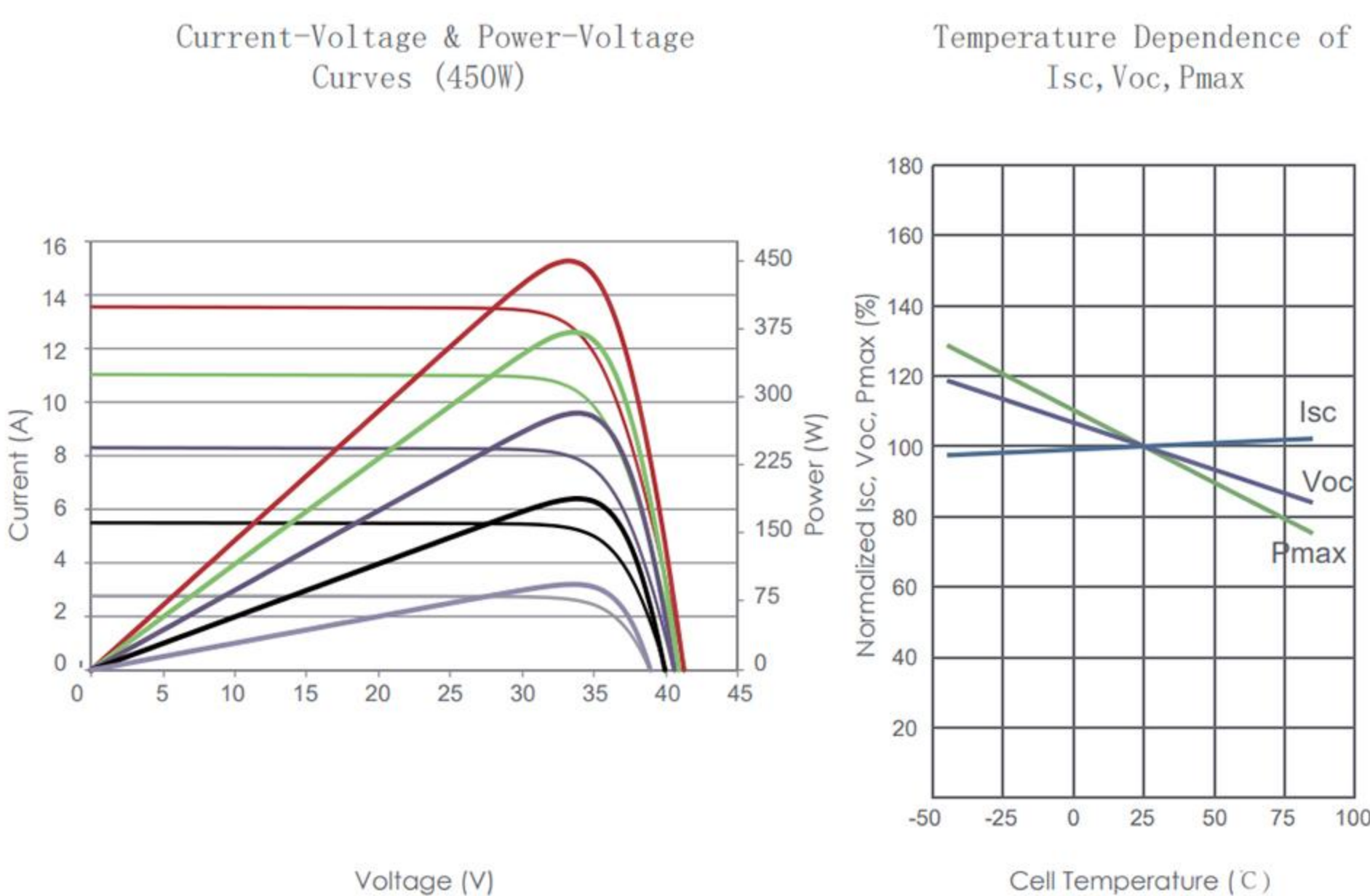
SPECIFICATIONS

Module Type	FY-120-470N		FY-120-475N		FY-120-480N		FY-120-485N		FY-120-490N	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	470Wp	353Wp	475Wp	357Wp	480Wp	361Wp	485Wp	365Wp	490Wp	369Wp
Maximum Power Voltage (Vmp)	35.69V	33.21V	35.88V	33.40V	36.06V	33.61V	36.25V	33.84V	36.43V	34.00V
Maximum Power Current (Imp)	13.17A	10.63A	13.24A	10.69A	13.31A	10.74A	13.38A	10.80A	13.45A	10.86A
Open-circuit Voltage (Voc)	43.30V	41.14V	41.33V	41.28V	43.60V	41.42V	43.76V	41.57V	43.91V	41.71V
Short-circuit Current (Isc)	13.69A	11.05A	13.93A	11.12A	13.85A	11.18A	13.93A	11.24A	14.01A	11.31A
Module Efficiency STC (%)	21.78%		22.01%		22.24%		22.47%		22.71%	
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	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
NO.of cells	120 (6×20)
Dimensions	1906×1134×30mm (74.92×44.65×1.18 inch)
Weight	22.5 kg (49.60lbs)
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated

Packaging Configuration

36pcs/pallets, 72pcs/stack, 864pcs/ 40'HQ Container