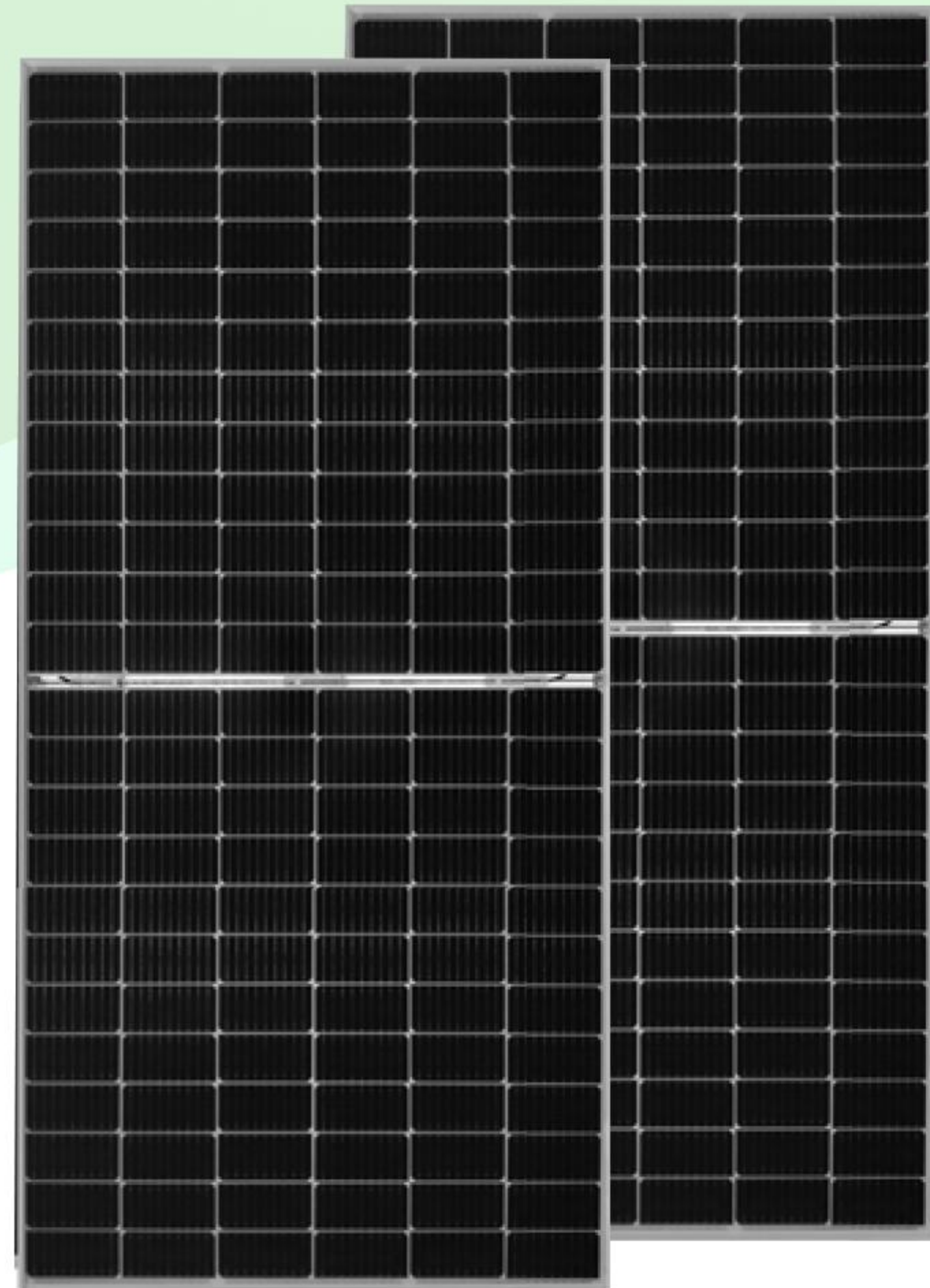


FY -182-144M

MONO-FACIAL MODULE

535W-555W



555W

Maximum Power Output

21.48%

Maximum Module Efficiency

0~+3W

Power Output Tolerance



Multi Busbar Technology

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



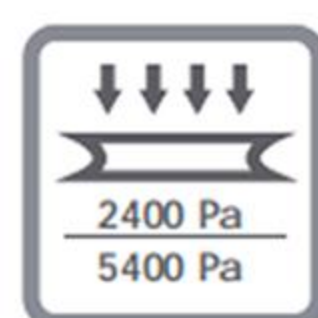
Reduced Hot Spot Loss

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

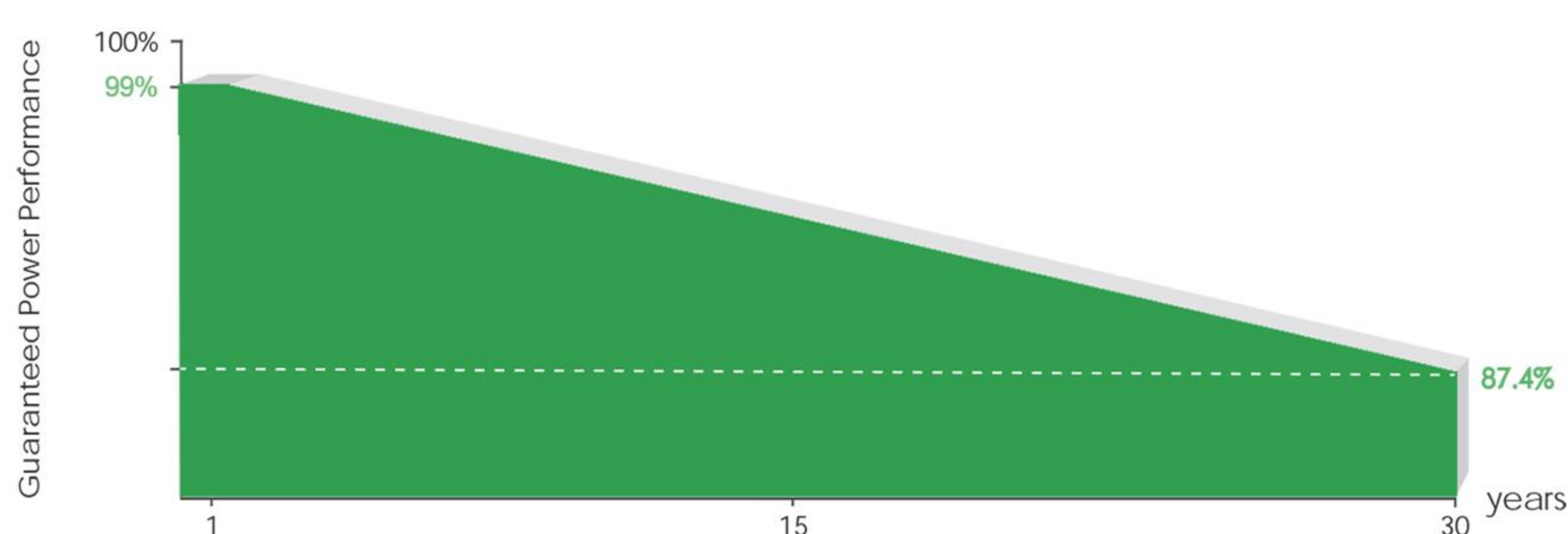
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



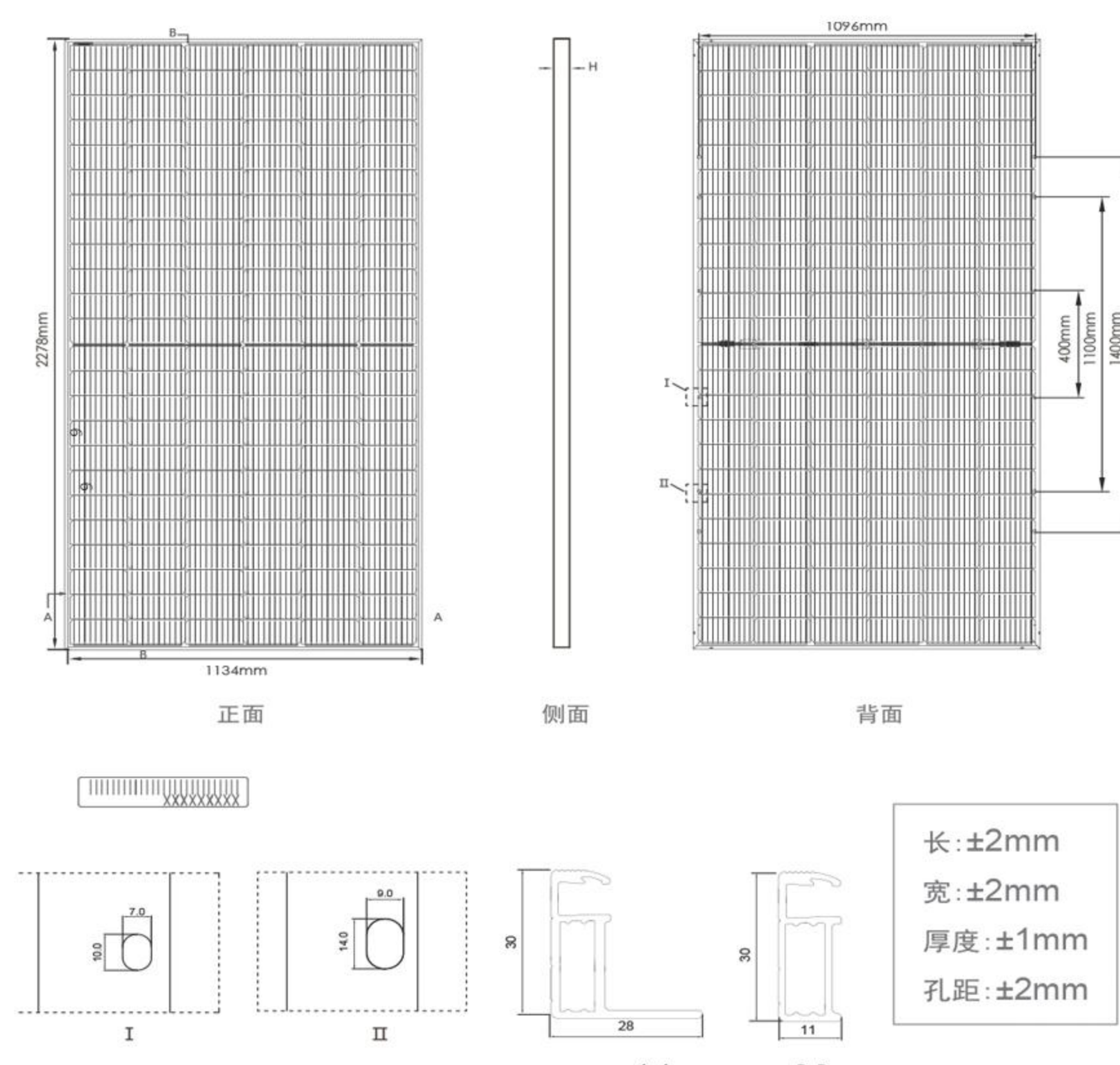
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

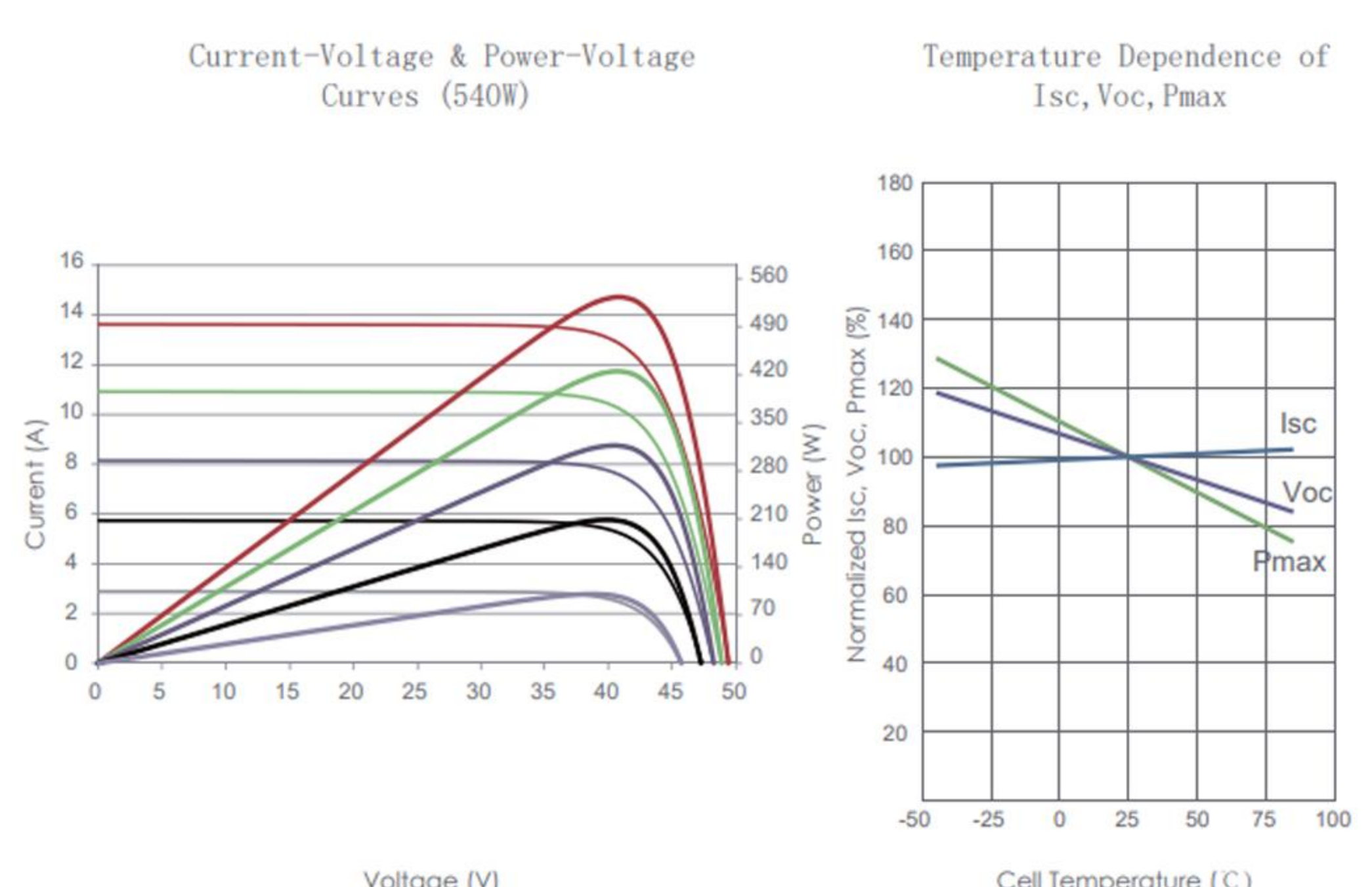
SPECIFICATIONS

Module Type	FY-144-535M		FY-144-540M		FY-144-545M		FY-144-550M		FY-144-555M	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp	550Wp	409Wp	555Wp	413Wp
Maximum Power Voltage (Vmp)	40.94V	37.94V	41.13V	38.08V	41.32V	38.25V	41.51V	38.42V	41.70V	38.59V
Maximum Power Current (Imp)	13.07A	10.49A	13.13A	10.55A	13.19A	10.60A	13.25A	10.65A	13.31 A	10.70A
Open-circuit Voltage (Voc)	49.54V	46.76V	49.73V	46.94V	49.92V	47.12V	50.11V	47.30V	50.30 V	47.48V
Short-circuit Current (Isc)	13.83A	11.17A	13.89A	11.22A	13.95A	11.27A	14.01A	11.32A	14.07A	11.36A
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	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°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	144 (6×24)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)
Weight	31 kg (68.34 lbs)
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated