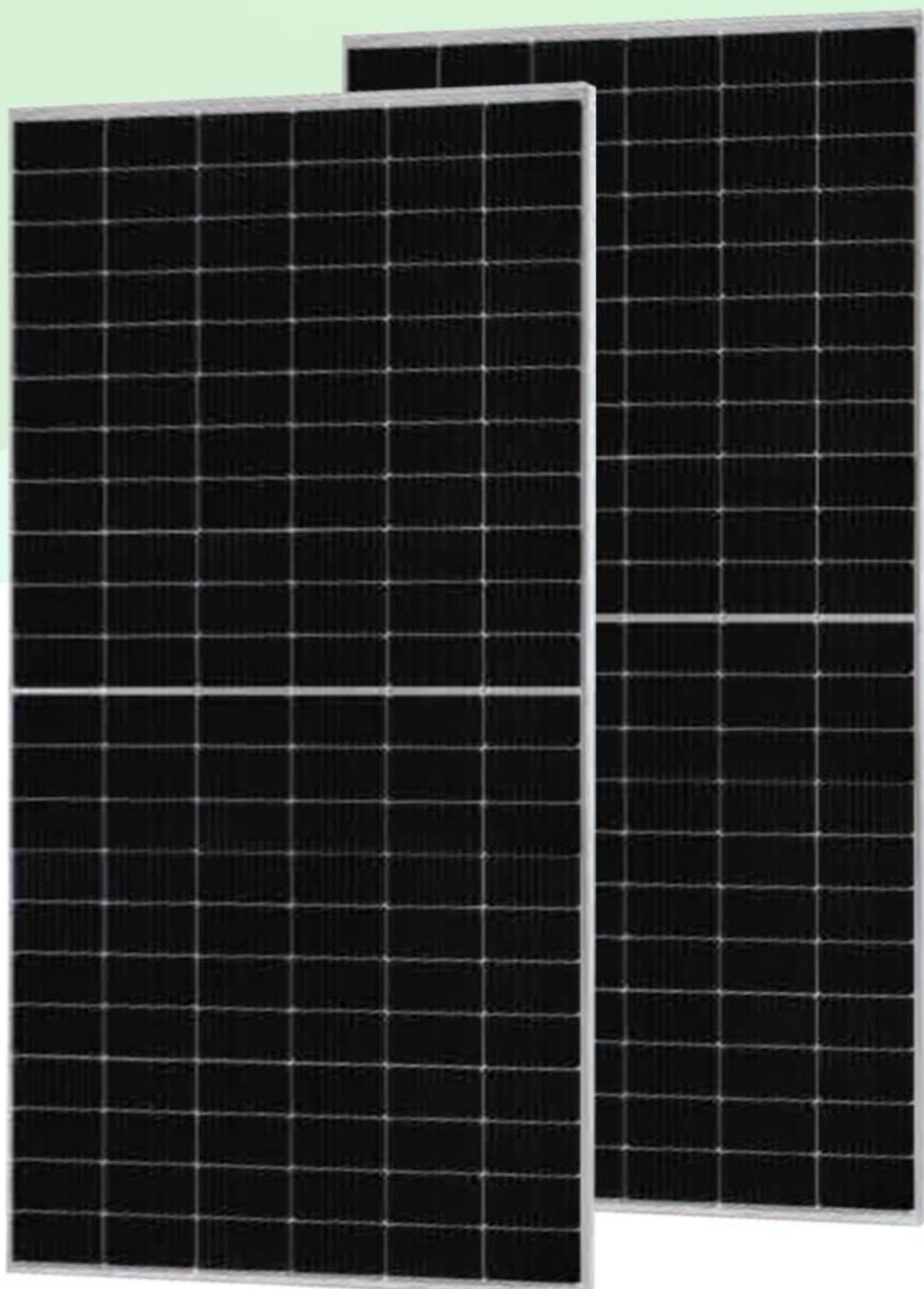


FY 182-132M

MONO-FACIAL MODULE

490W-500W



500W

Maximum Power Output

21.1%

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

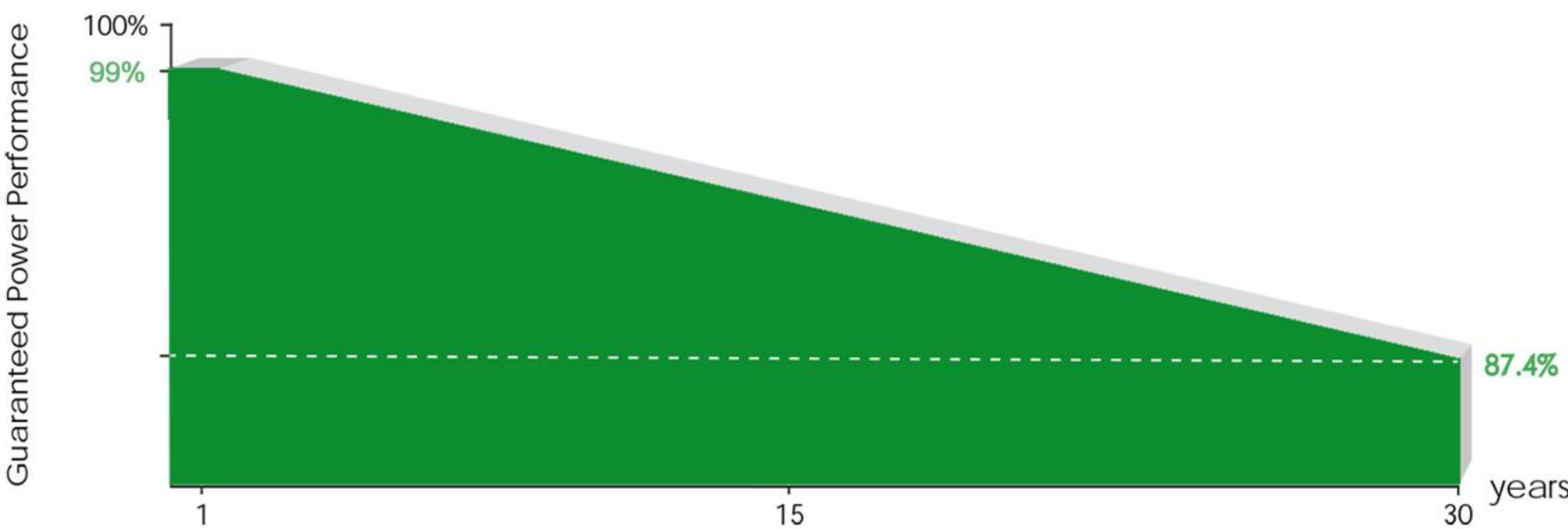
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



12 Years Product Material & Workmanship

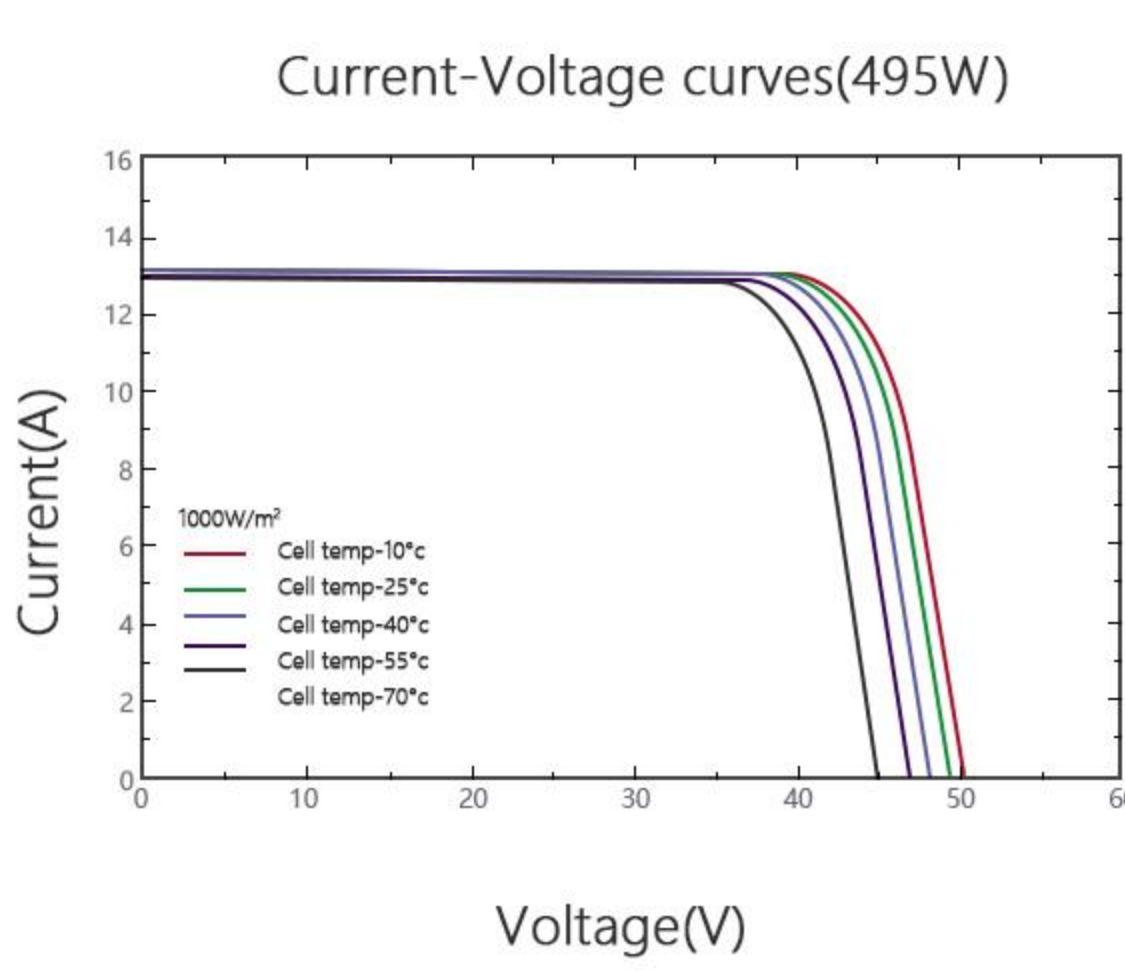
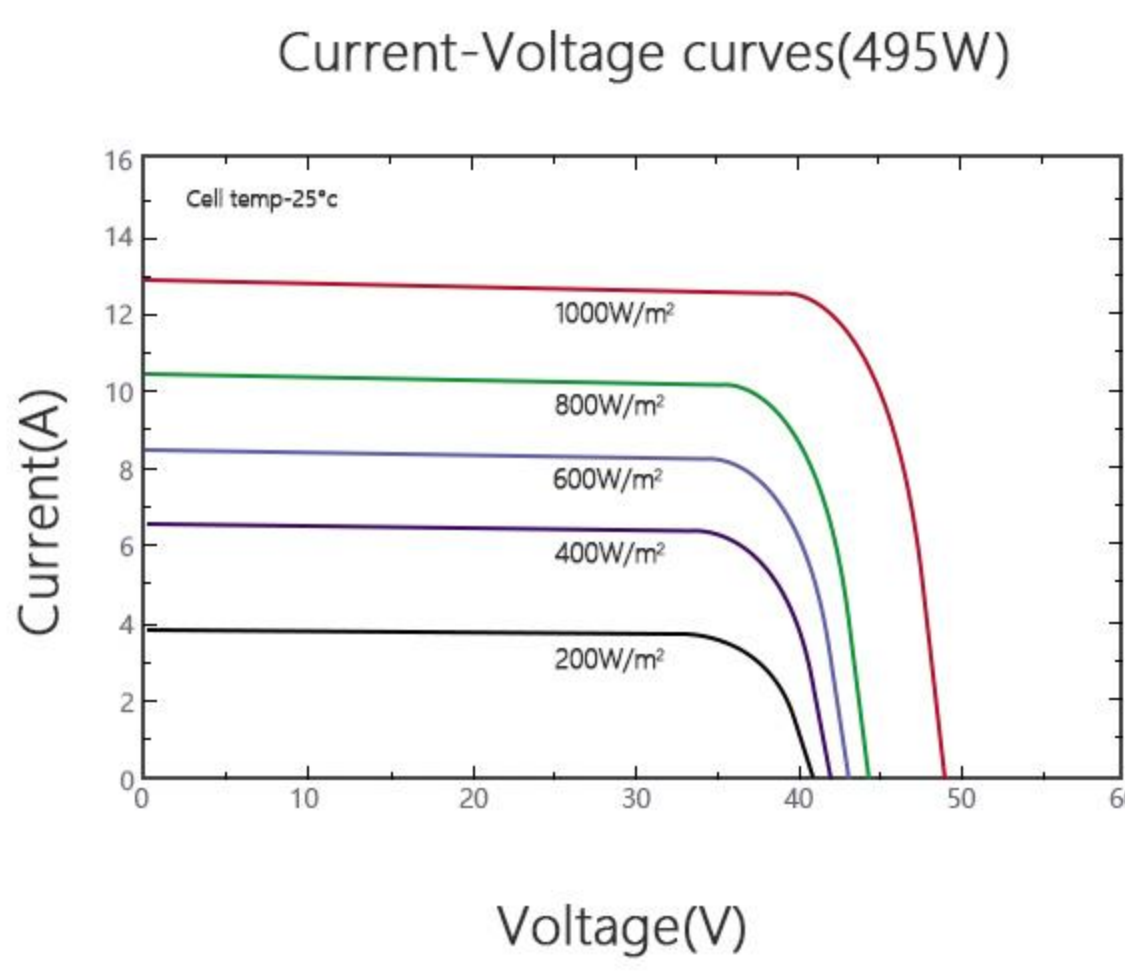
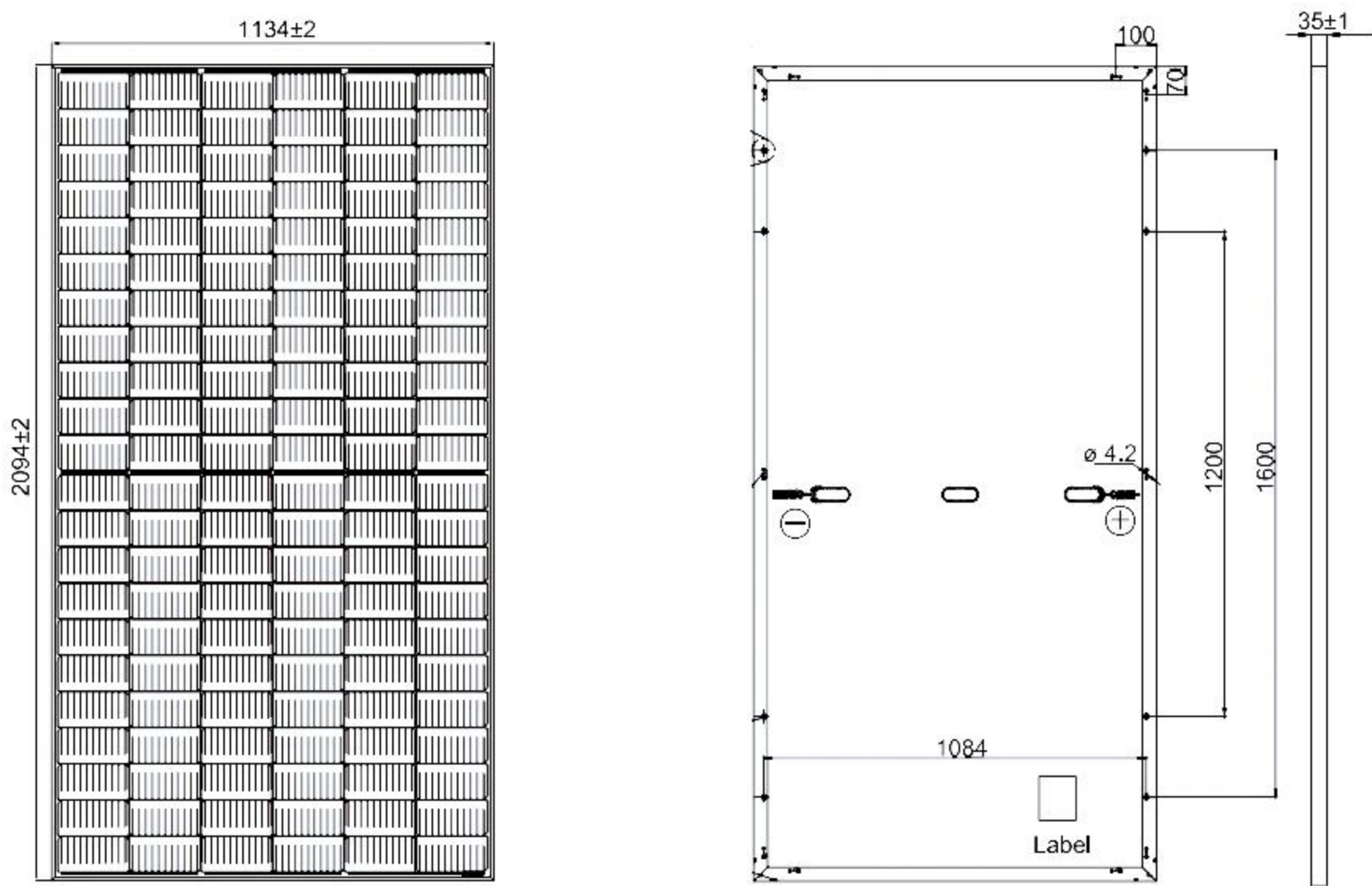
30 Years Linear Performance Warranty

SPECIFICATIONS

Module Type	FY-132-490M		FY-132-495M		FY-132-500M	
	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	490Wp	370Wp	495Wp	374Wp	500Wp	378Wp
Maximum Power Voltage (Vmp)	37.99V	35.76V	38.17V	35.84V	38.35V	35.93V
Maximum Power Current (Imp)	12.90A	10.36A	12.97A	10.44A	13.04A	10.52A
Open-circuit Voltage (Voc)	45.33V	42.43V	45.46V	42.58V	45.59V	42.72V
Short-circuit Current (Isc)	13.79A	11.13A	13.86A	11.20A	13.93A	11.27A
Module Efficiency STc (%)	20.60%		20.80%		21.10%	
Operating Temperature(°C)	-40°C~+85°C					
Maximum system voltage	1000					
Maximum series fuse rating	25A					
Power tolerance	0~+3°C					
Temperature coefficients of Pmax	-0.35%/°C					
Temperature coefficients of Voc	-0.29%/°C					
Temperature coefficients of Isc	0.048%/°C					
Nominal operating cell temperature (NOCT)	45±2°C					

Engineering Drawings

Electrical Performance & Temperature Dependence



Packaging Configuration

31pcs/pallets,682pcs/ 40'HQ Container

Mechanical Characteristics

Cell Type	P type Mono-crystalline
NO.of cells	108 (6x18)
Dimensions	2094x1134x35mm
Weight	26.3 kg
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated