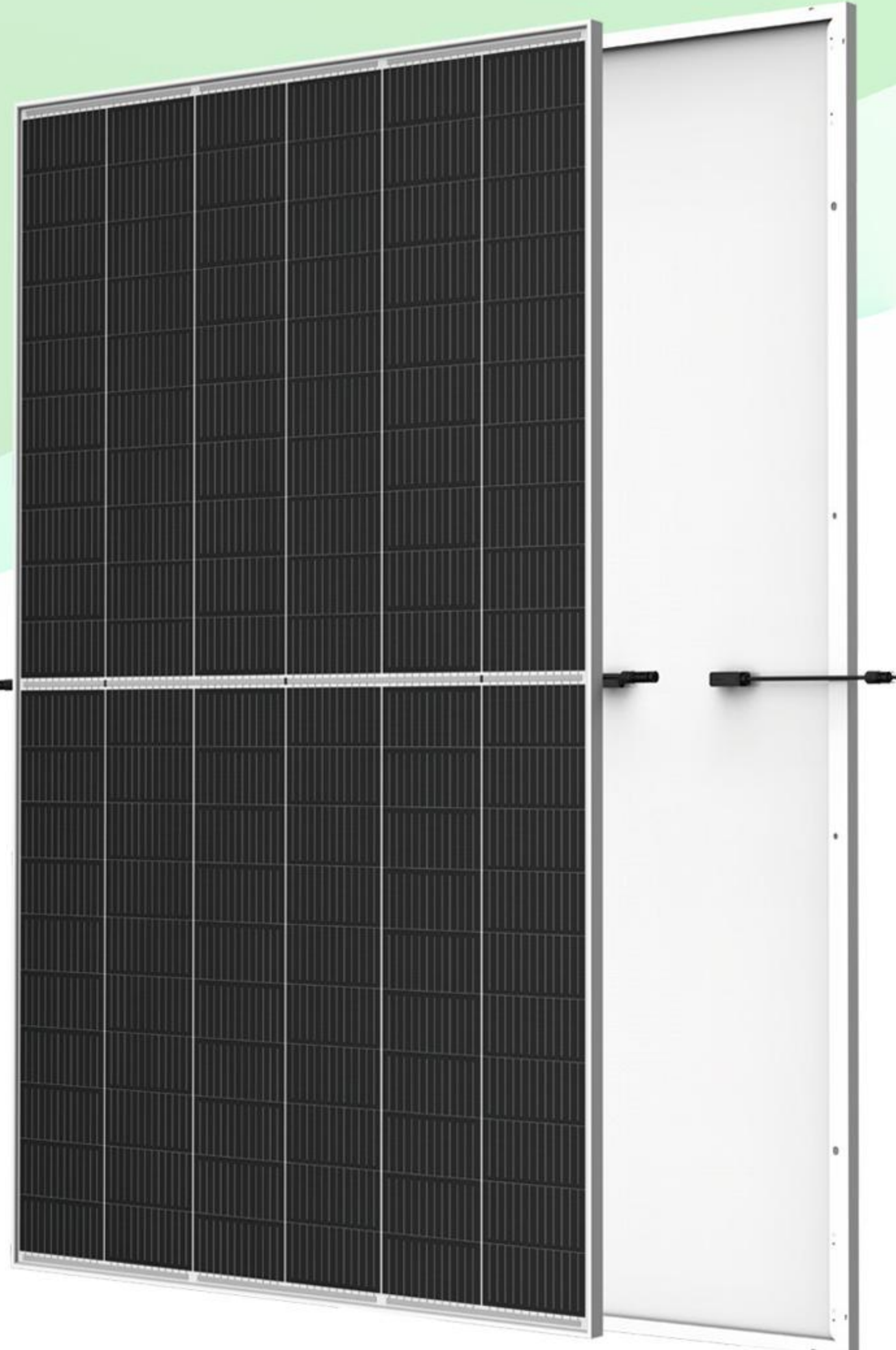


FY -210-120M

MONO-FACIAL MODULE

590W-610W

IEC61215(2016), IEC61730(2016)
ISO9001:2015: QUALITY MANAGEMENT SYSTEM
ISO14001:2015: ENVIRONMENT MANAGEMENT SYSTEM
ISO45001:2018: OCCUPATIONAL HEALTH AND SAFETY
MANAGEMENT SYSTEMS



610W

Maximum Power
Output

21.60%

Maximum Module
Efficiency

0~+5W

Power Output
Tolerance



SMBB Technology

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



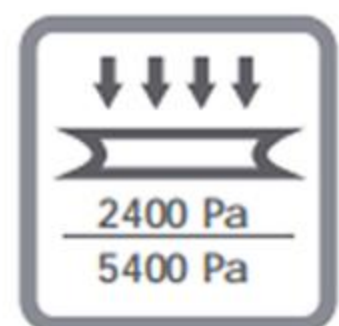
Reduced Hot Spot Loss

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

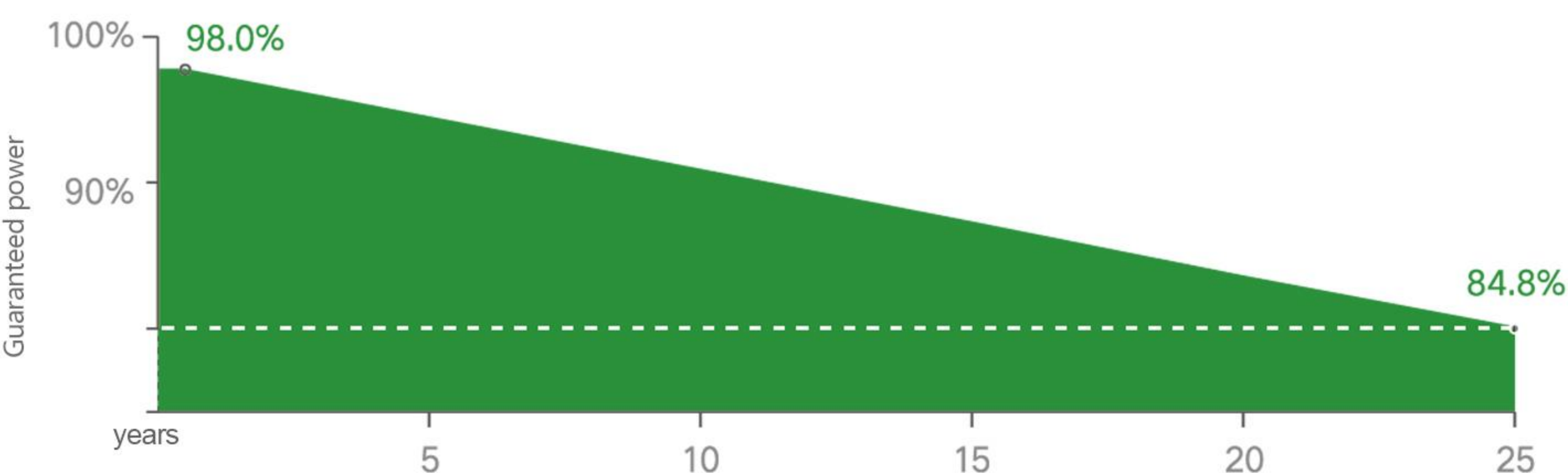
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme
Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



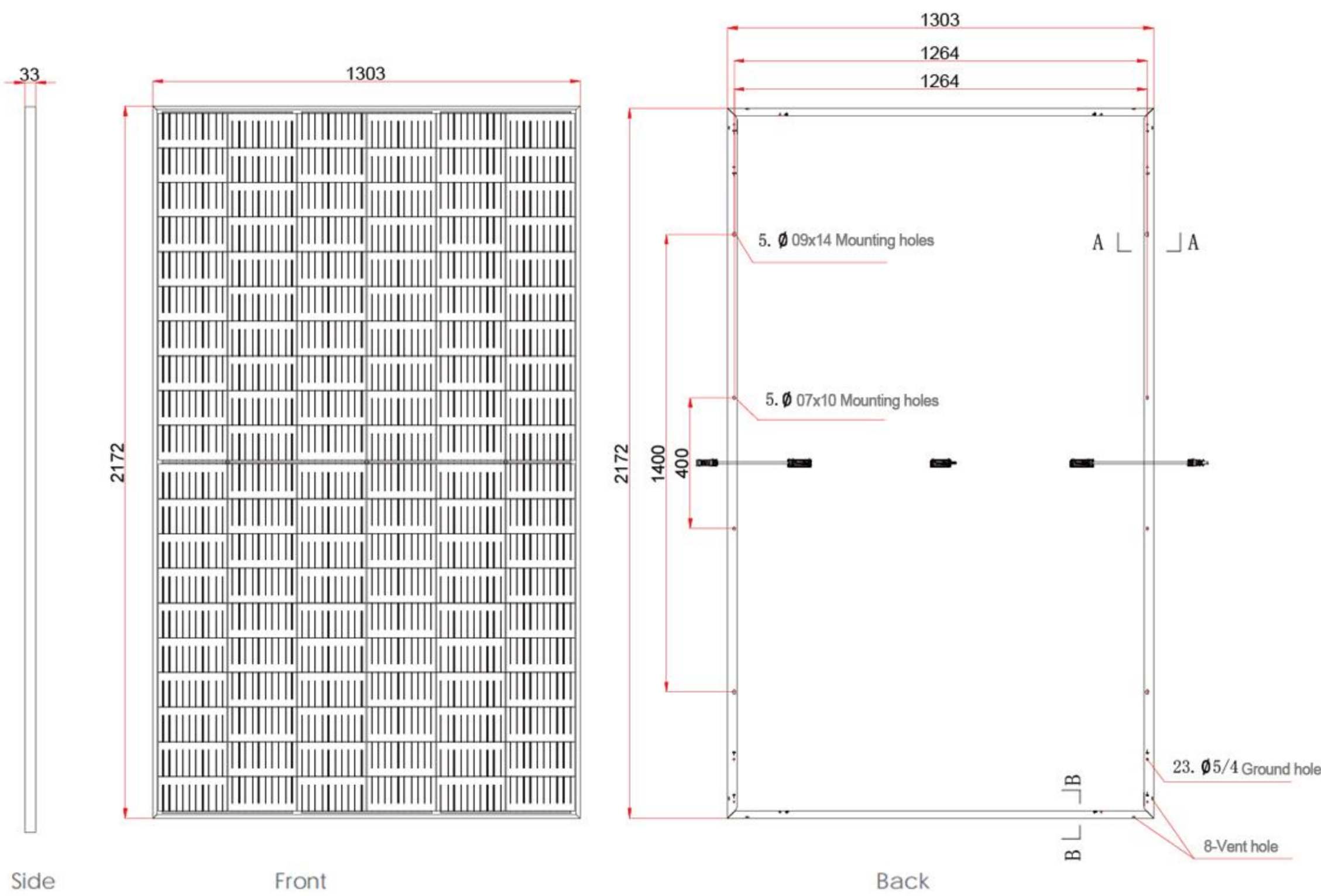
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

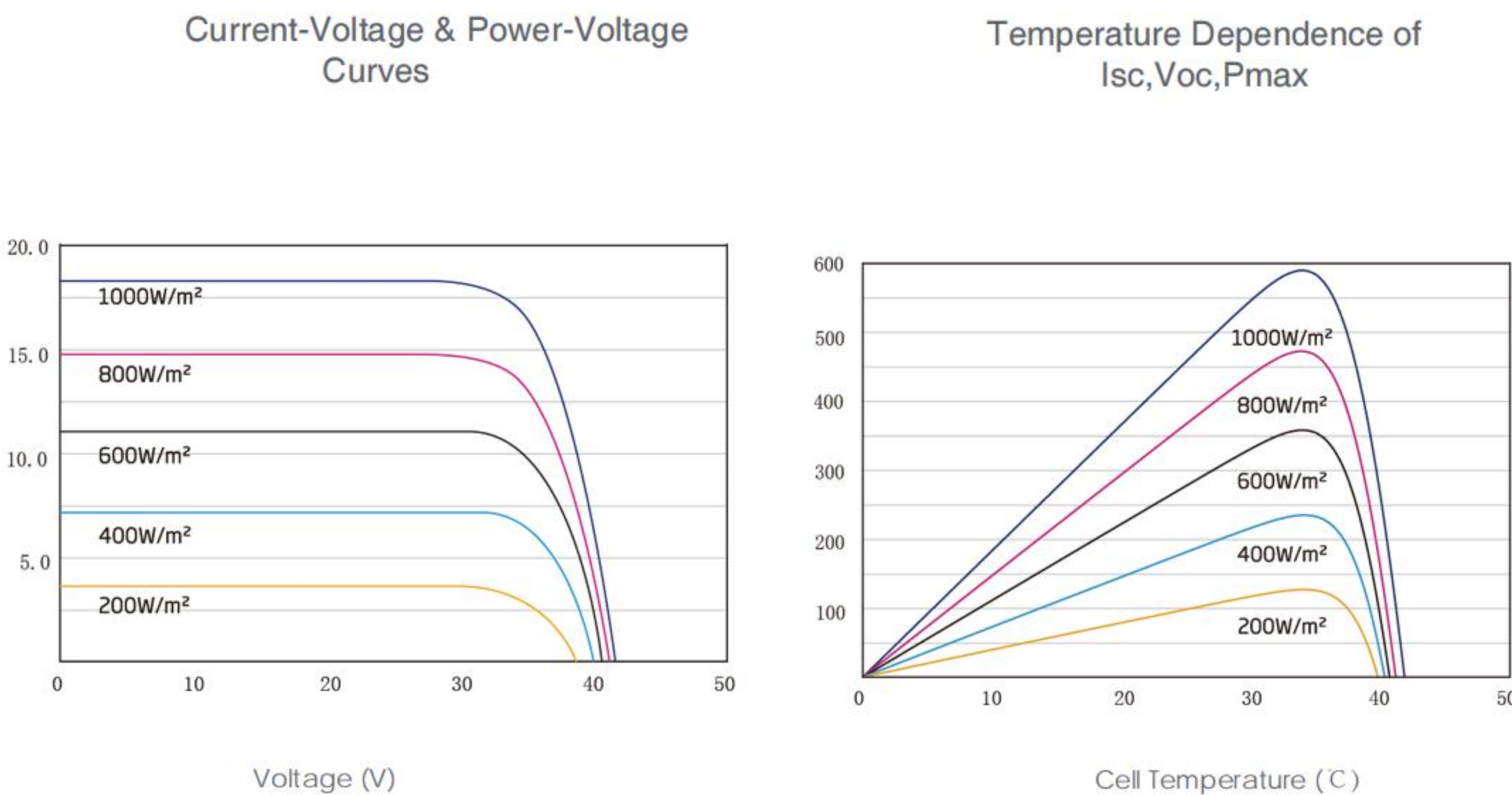
SPECIFICATIONS

Module Type	FY-120-590M		FY-120-595M		FY-120-600M		FY-120-605M		FY-120-610M	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	590Wp	447Wp	595Wp	451Wp	600Wp	455Wp	605Wp	459Wp	610Wp	462Wp
Maximum Power Voltage (Vmp)	34.00V	31.70V	34.20V	18.47V	34.40V	32.00V	34.6V	32.20V	34.80V	32.40V
Maximum Power Current (Imp)	17.35A	14.09A	17.40A	14.13A	17.44A	14.18A	17.49A	14.22A	17.53A	14.25A
Open-circuit Voltage (Voc)	41.10V	38.70V	41.30V	38.90V	41.50V	39.10V	41.70V	39.30V	41.90V	39.50V
Short-circuit Current (Isc)	18.42A	14.85A	18.47A	14.88A	18.52A	14.92A	18.57A	14.96A	18.62A	15.00A
MODULE EFFICIENCY (%)	20.80%		21.00%		21.20%		21.40%		21.60%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/150VDC(IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3°C									
Temperature coefficients of Pmax	-0.3%/°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	120cell
Dimensions	2172 x 1303 x 33 mm
Weight	30.6Kg
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated

Packaging Configuration

33pcs/pallets, 594pcs/ 40'HQ Container