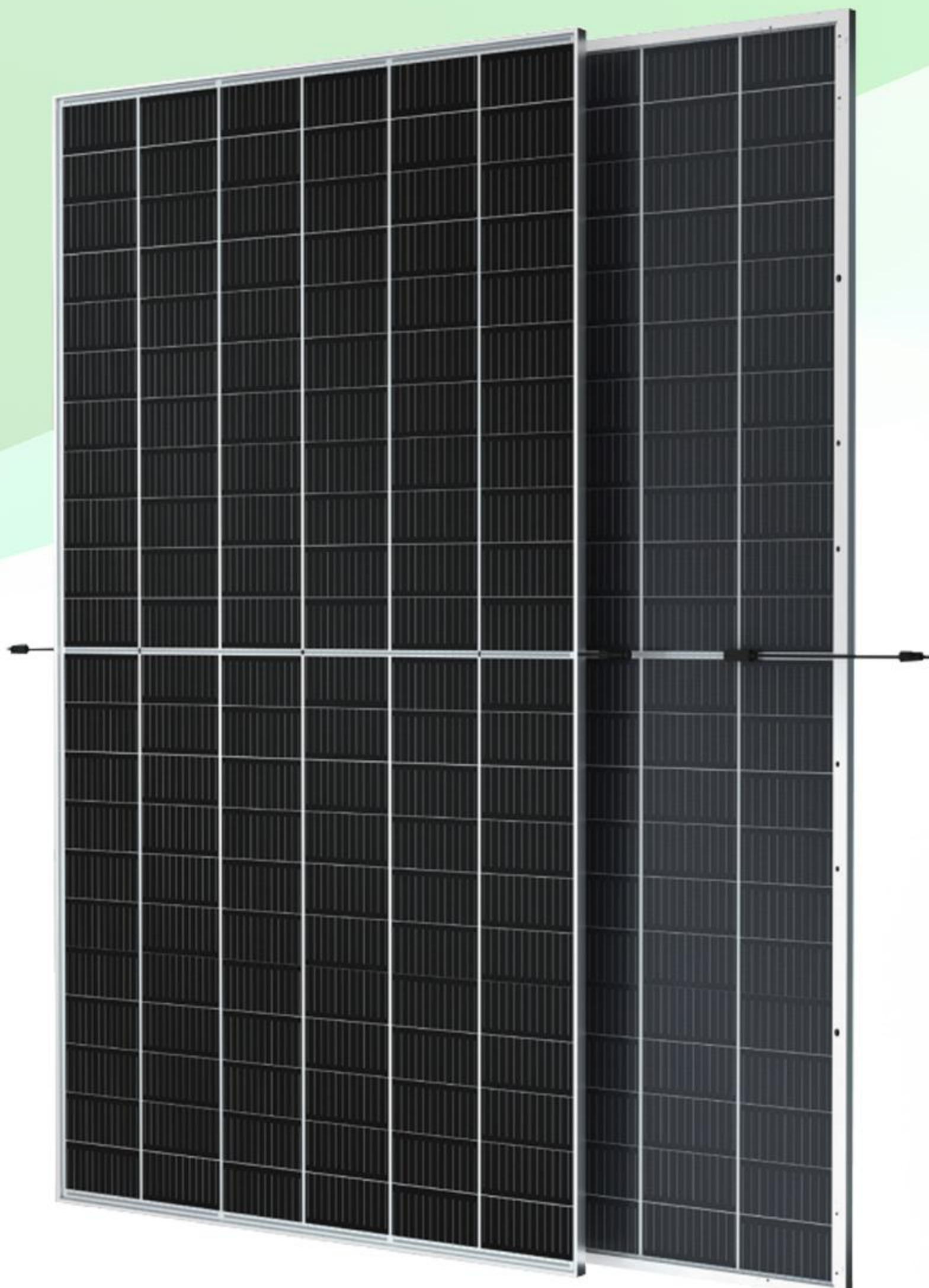


FY -210-132MDG

DOUBLE-SIDED DOUBLE GLASS HETEROJUNCTION ASSEMBLY

645W-665W



665W

Maximum Power Output

21.40%

Maximum Module Efficiency

0~+5W

Power Output Tolerance



SMBB Technology

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



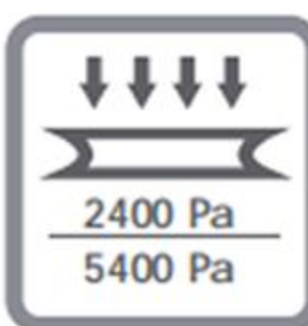
Reduced Hot Spot Loss

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

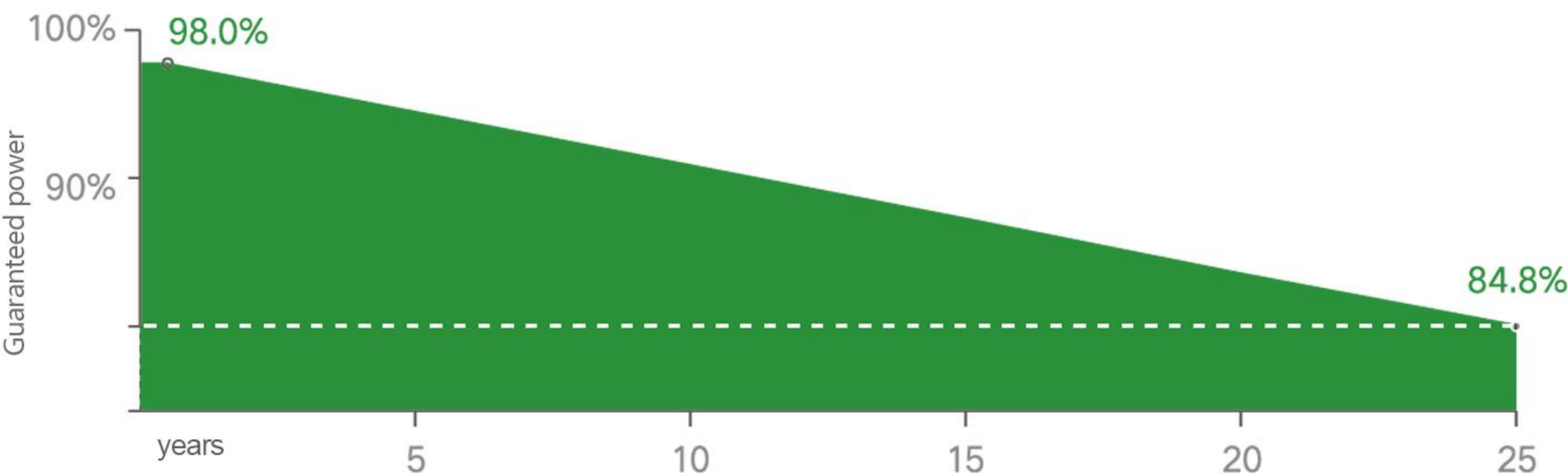
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY



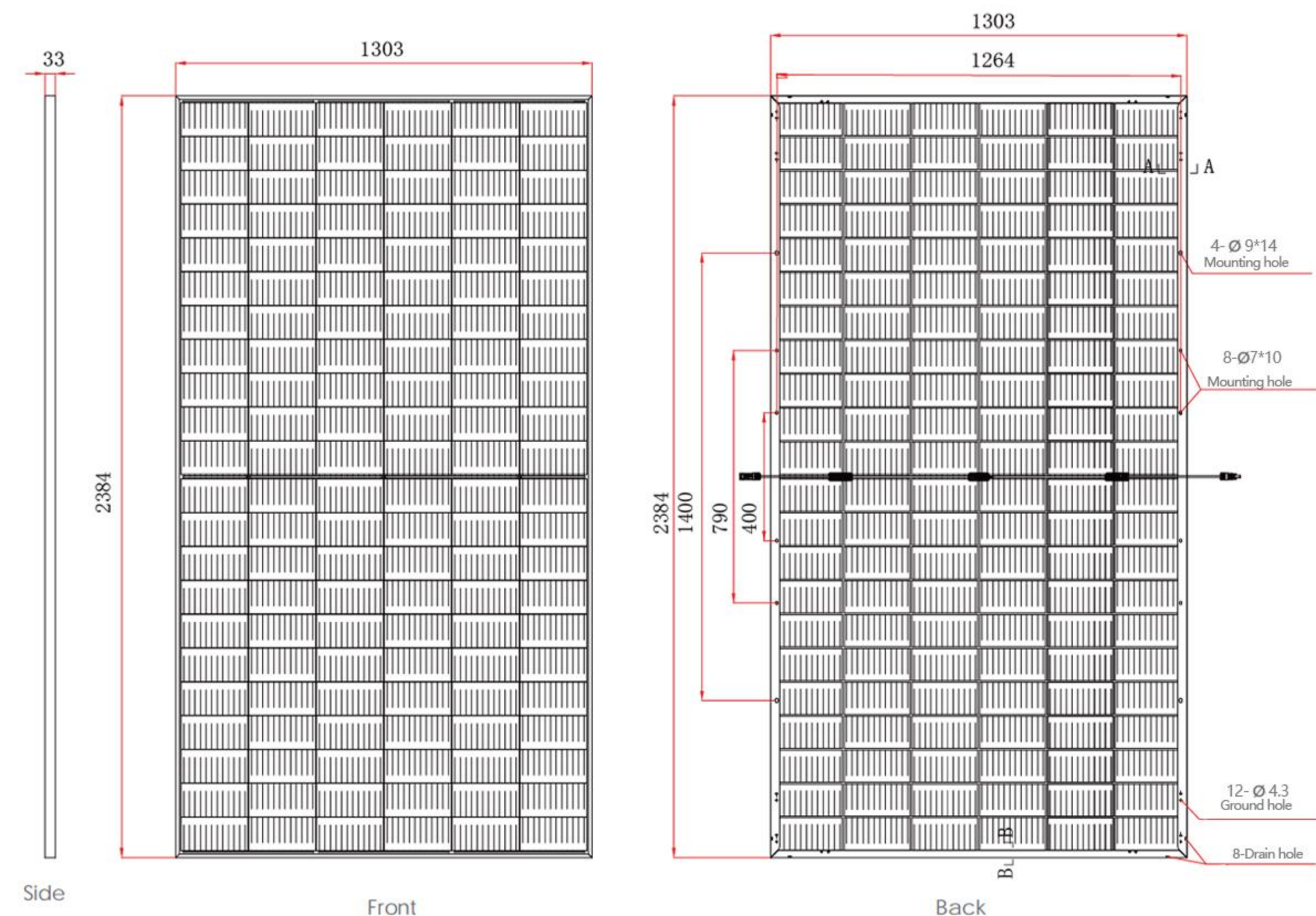
12 Years Product Material & Workmanship

30 Years Linear Performance Warranty

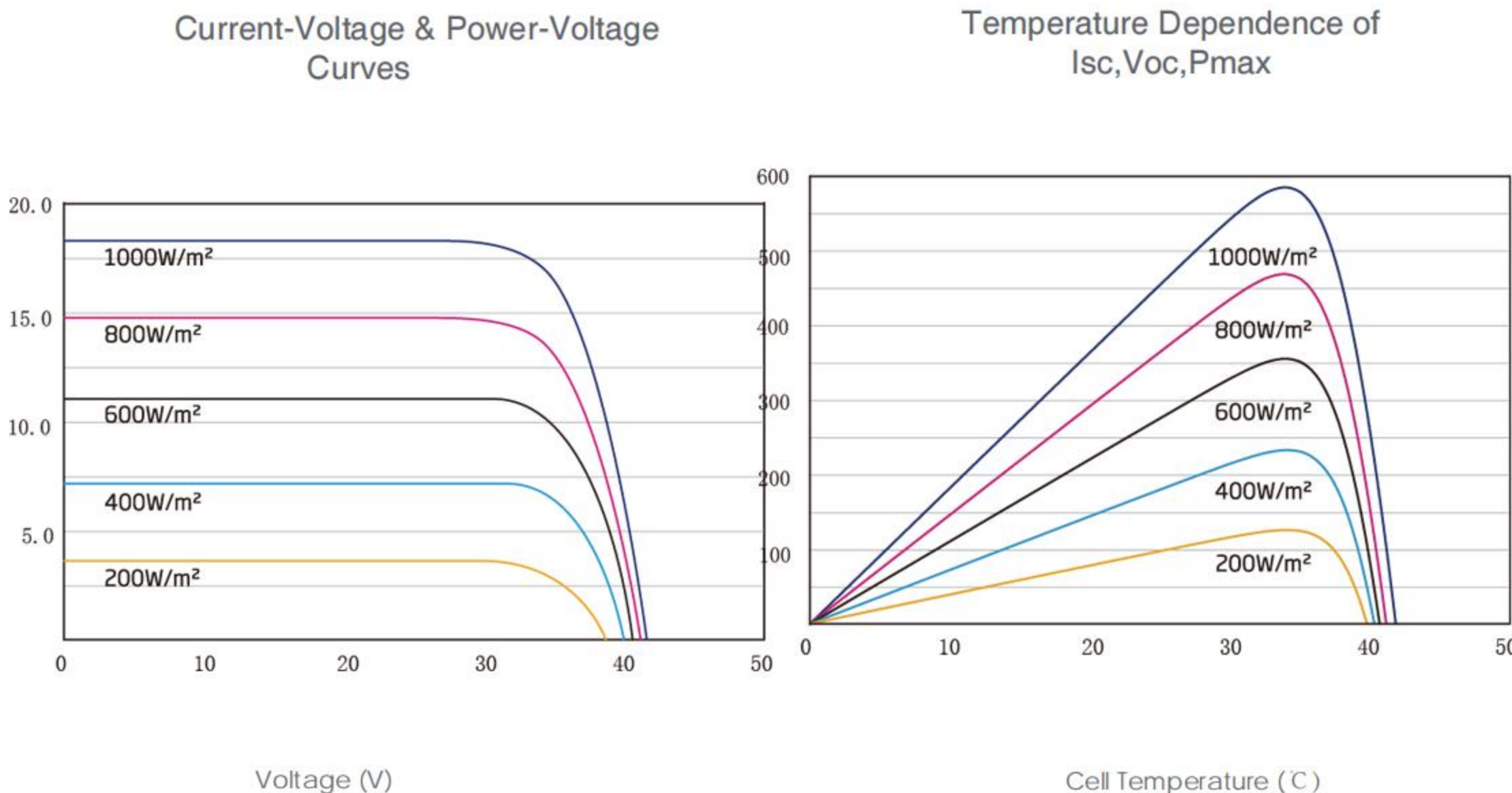
SPECIFICATIONS

Module Type	FY-132-645MDG		FY-132-650MDG		FY-132-655MDG		FY-132-660MDG		FY-132-665MDG	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	645Wp	488Wp	650Wp	492Wp	655Wp	495Wp	660Wp	499Wp	665Wp	504Wp
Maximum Power Voltage (Vmp)	37.50V	34.90V	37.70V	35.10V	37.90V	35.20V	38.10V	35.40V	38.3V	35.60V
Maximum Power Current (Imp)	17.23A	13.98A	17.27A	14.01A	17.31A	14.05A	17.35A	14.10A	17.39A	14.16A
Open-circuit Voltage (Voc)	45.30V	42.70V	45.50V	42.90V	45.70V	43.00V	45.90V	43.20V	46.10V	43.40V
Short-circuit Current (Isc)	18.31A	14.75A	18.35A	14.79A	18.40A	14.83A	18.45A	14.87A	18.50A	14.91A
MODULE EFFICIENCY (%)	20.80%		20.90%		21.10%		21.20%		21.40%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/150VDC(IEC)									
Maximum series fuse rating	35A									
Power tolerance	0~+5°C									
Temperature coefficients of Pmax	-0.34%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.04%/°C									
Nominal operating cell temperature (NOCT)	43±2°C									

Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
NO.of cells	132cell
Dimensions	2384 x 1303 x 33 mm
Weight	38.3kg
Output Cables	TUV 1X4.0mm²
Junction Box	IP68Rated

Packaging Configuration

31pcs/pallets, 594pcs/ 40'HQ Container