

# Half Cell 10BB

## 550-600 Watt

### MONO-FACIAL MODULE

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



## Key Features



### Multi Busbar Technology

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



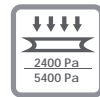
### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



### Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



### Enhanced Mechanical Load

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

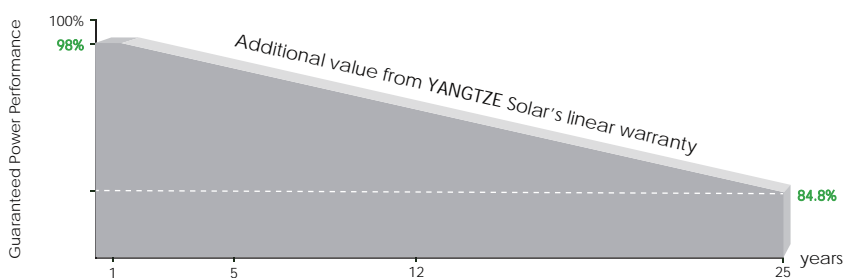


### Longer Life-time Power Yield

0.55% annual power degradation and 25 year linear power warranty.



## LINEAR PERFORMANCE WARRANTY

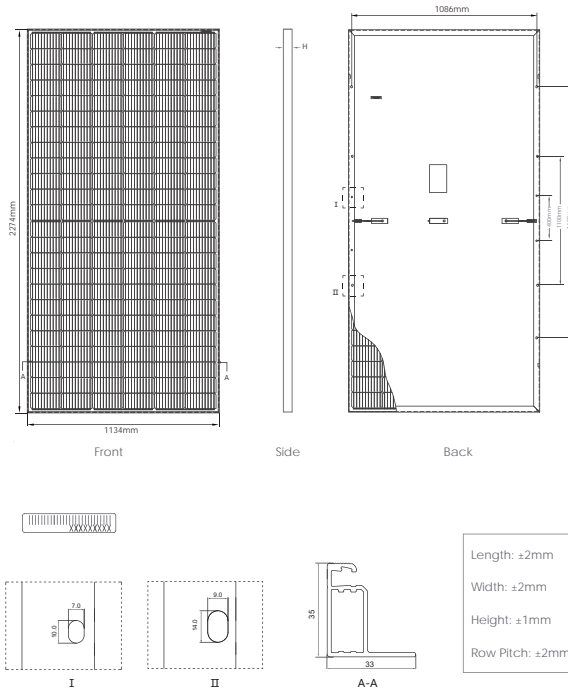


**12 Year Product Warranty**

**25 Year Linear Power Warranty**

**0.55% Annual Degradation Over 25 years**

## Engineering Drawings

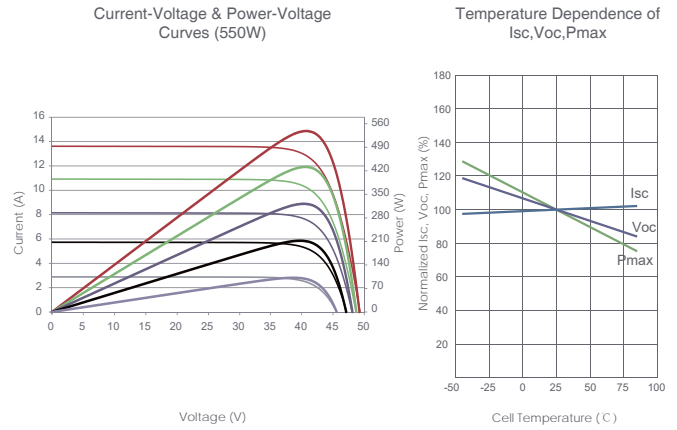


## Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	10BB Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2274×1134×35mm (89.53×44.65×1.38 inch)
Weight	28.9 kg (63.7 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length

## SPECIFICATIONS

Module Type	YS550M-72	YS560M-72	YS570M-72	YS580M-72	YS590M-72	YS600M-72
Maximum Power ( $P_{max}$ )	550W	560W	570W	580W	590W	600W
Maximum Power Voltage ( $V_{mp}$ )	40.90V	41.10V	41.30V	41.50V	41.90V	42.10V
Maximum Power Current ( $I_{mp}$ )	13.45A	13.63A	13.27A	13.98A	14.08A	14.25A
Open-circuit Voltage ( $V_{oc}$ )	49.62V	49.72V	49.82V	49.91V	49.95V	49.99V
Short-circuit Current ( $I_{sc}$ )	14.03A	14.33A	14.62A	14.81A	14.92A	14.97A
Module Efficiency STC (%)	21.33%	21.72%	22.10%	22.49%	22.87%	23.27%
Operating Temperature(°C)	-40°C ~ +85°C					
Maximum system voltage	1000/1500VDC (IEC)					
Maximum series fuse rating	25A					
Power tolerance	0~+3%					
Temperature coefficients of $P_{max}$	-0.35%/°C					
Temperature coefficients of $V_{oc}$	-0.28%/°C					
Temperature coefficients of $I_{sc}$	0.048%/°C					
Nominal operating cell temperature (NOCT)	45±2°C					

\*STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C

AM=1.5

AM=1.5

Wind Speed 1m/s