



YANGTZE SOLAR

# 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).



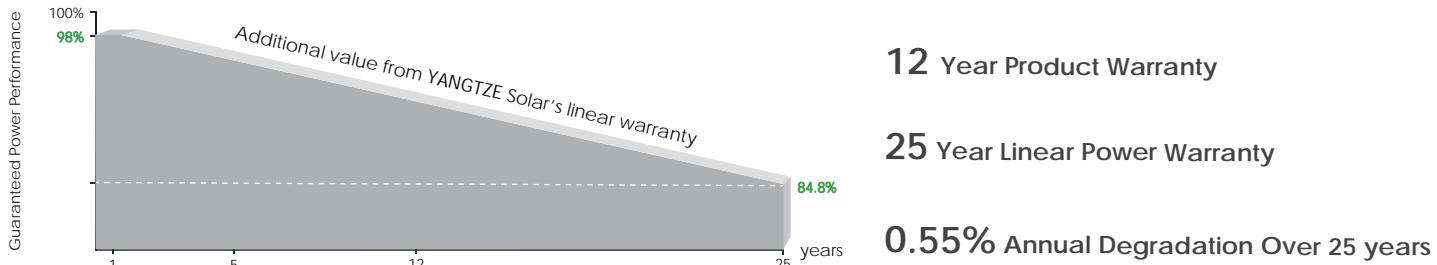
### Longer Life-time Power Yield

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

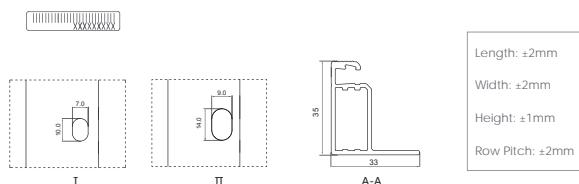
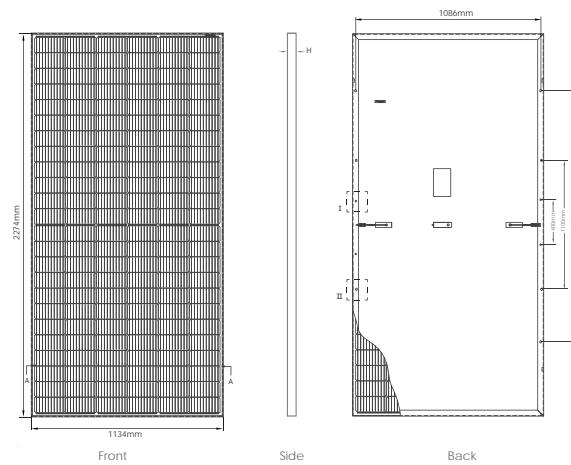


POSITIVE QUALITY™  
Continuous Quality Assurance

## LINEAR PERFORMANCE WARRANTY



## Engineering Drawings

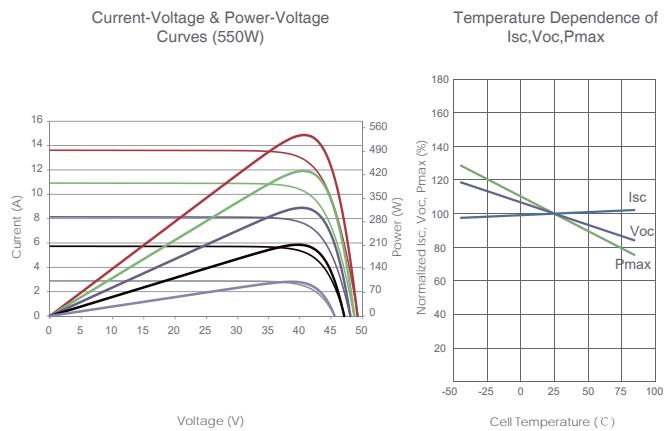


## Packaging Configuration

( 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 (6x24)
Dimensions	2274x1134x35mm (89.53x44.65x1.38 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 1x4.0mm <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 (Pmax)	550W	560W	570W	580W	590W	600W
Maximum Power Voltage (Vmp)	40.90V	41.10V	41.30V	41.50V	41.90V	42.10V
Maximum Power Current (Imp)	13.45A	13.63A	13.27A	13.98A	14.08A	14.25A
Open-circuit Voltage (Voc)	49.62V	49.72V	49.82V	49.91V	49.95V	49.99V
Short-circuit Current (Isc)	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 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			

\*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

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Wind Speed 1m/s