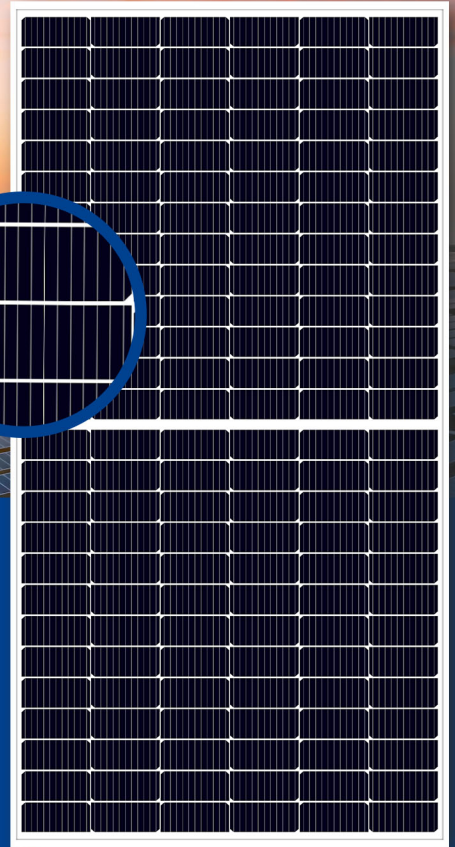




## MBB HC TECHNOLOGY



# AOX-78M10HC 590W-605W

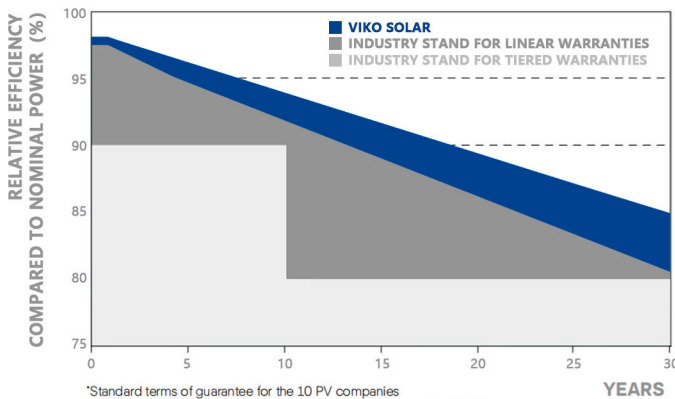
**2455\*1134\*35mm**  
DIMENSIONS

**156 CELLS**  
SOLAR HALF CELLS

**EFF: 21.80%**  
MAX MODULE EFFICIENCY

**0 to +5W**  
POSITIVE POWER TOLERANCE

## WORLD SHINES BECAUSE OF YOU



## LINEAR PERFORMANCE WARRANTY



### 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 ).



### PID Resistance

Excellent Anli-PID performance guarantee via optimized mass-production process and materials control.



### More Safty

Choose excellent Tier One brands as supply chain partners to ensure long-term reliability and higher safety level.

# SPECIFICATIONS

## MODULE TYPE

	AOX-78M10HC590W		AOX-78M10HC595W		AOX-78M10HC600W		AOX-78M10HC605W	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	590Wp	446Wp	595Wp	450Wp	600Wp	454Wp	605Wp	459Wp
Maximum Power Voltage (Vmp)	44.28V	41.47V	44.38V	41.64V	44.48V	41.81V	44.58V	41.98V
Maximum Power Current (Imp)	13.33A	10.75A	13.41A	10.80A	13.49A	10.86A	13.57A	10.93A
Open Circuit Voltage (Voc)	53.72V	50.75V	53.82V	50.85V	53.92V	50.95V	54.02V	50.50V
Short Circuit Current (Isc)	13.93A	11.42A	14.02A	11.47A	14.11A	11.52A	14.33A	11.55A
Module Efficiency STC (%)	21.20%		21.40%		21.60%		21.80%	
Operating Temperature(°C)	-40~+85 °C							
Maximum system voltage	1000/1500VDC(IEC)							
Maximum series fuse rating	25A							
Power tolerance	0~+5W							
Temperature coefficient of Pmax	-0.35%/°C							
Temperature coefficient of Voc	-0.28%/°C							
Temperature coefficient of Isc	0.048%/°C							
Nominal operating cell temperature (NOCT)	45±2°C							

## Mechanical Characteristics

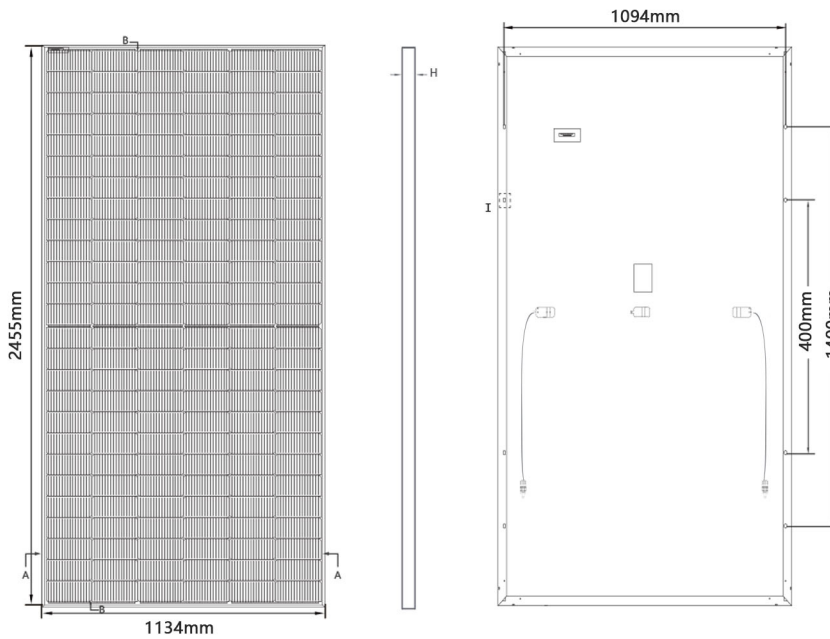
Cell Type	Monocrystalline
No. of cells	6*26 (156) solar half cells
Dimensions	2455*1134*35mm
Weight	29.0kg
Front Glass	3.2mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	35mm Anodized Aluminium Alloy
Junction Box	IP 68 3 diodes
Cables	4.0mm <sup>2</sup> solar cable(IEC) (+)≥1200mm (-)≥1200mm

## Packaging Configuration

(Two pallets = One stack)

31pcs/pallets,600pcs/ 40HQ Container

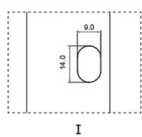
STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5. \*Measuring tolerance: +3%.  
NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s



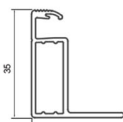
Front

Side

Back



I

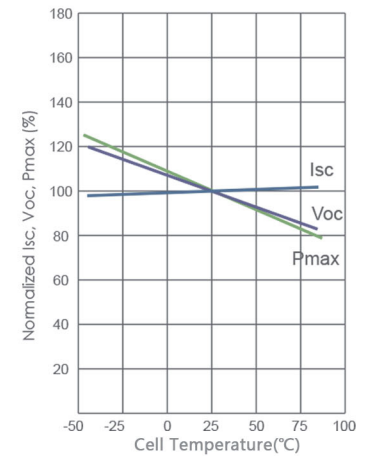


A-A

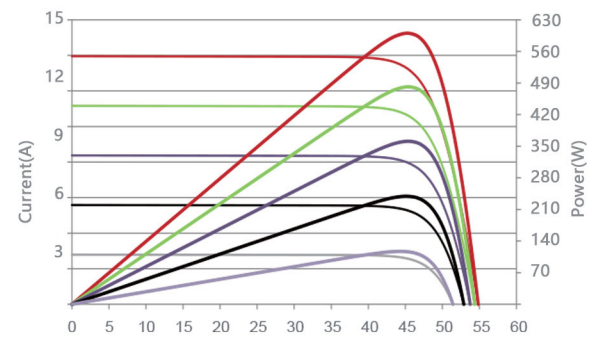


B-B

Length: ±2mm  
Width: ±2mm  
Height: ±1mm  
Row Pitch: ±2mm



Temperature Dependence of Isc, Voc, Pmax



Current-Voltage & Power-Voltage Curves