

## MBB-60M-166

## 365-380 Watt

### MONO-FACIAL MODULE

### P-Type

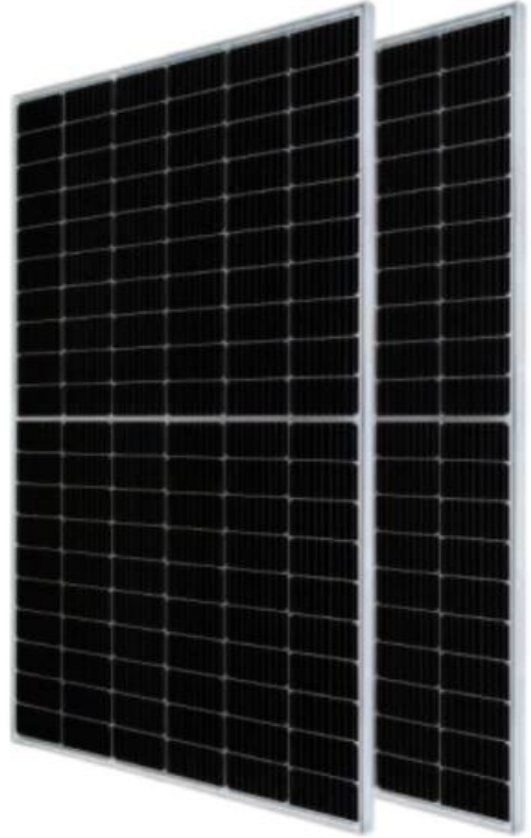
Positive power tolerance of 0~+3%

IEC 61215; IEC 61730

ISO 9001:2015: 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.



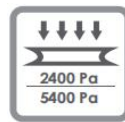
### Durability Against Extreme Environmental Conditions

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).

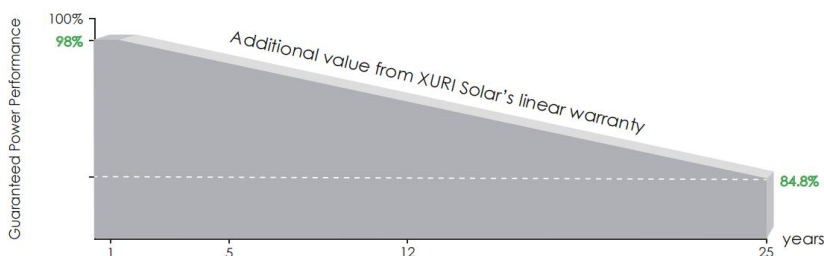


### Longer Life-time Power Yield

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



## LINEAR PERFORMANCE WARRANTY

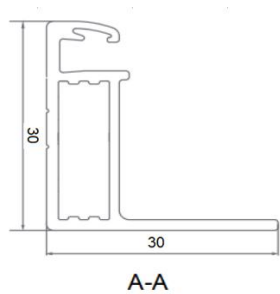
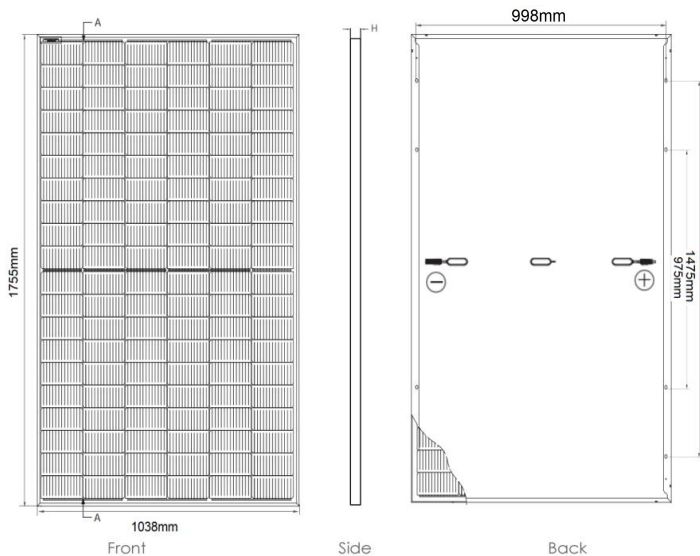


12 Year Product Warranty

25 Year Linear Power Warranty

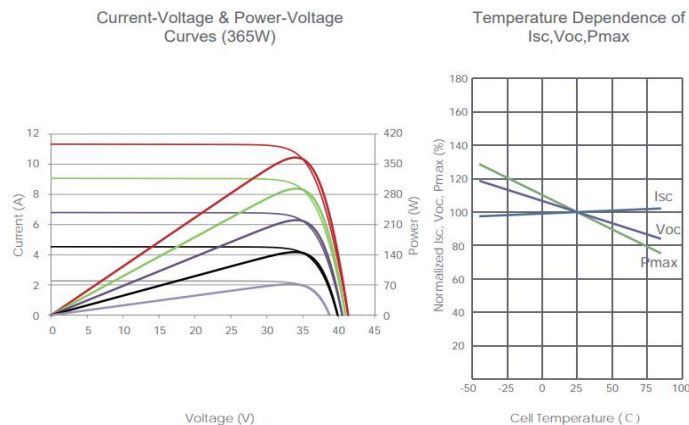
0.55% Annual Degradation Over 25 years

# Engineering Drawings



Length:  $\pm 2\text{mm}$   
 Width:  $\pm 2\text{mm}$   
 Height:  $\pm 1\text{mm}$   
 Row Pitch:  $\pm 2\text{mm}$

# Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type:	P type Mono-crystalline 166X83mm
No. of cells:	120(6×20)Pcs
Dimensions:	1755x1038x30mm
Weight:	20Kg
Front Glass:	3.2mm, Anti-Reflection Coating
Frame:	Anodized Aluminium Alloy
Junction Box:	IP68 Rated

Output Cables: 4mm<sup>2</sup>(TUV) Length:(+)300mm, (-)300mm or Customized Length

## Packaging Configuration

( Two pallets = One stack )

Packaging Configuration : 72pcs / box, 936pcs / 40'HQ Container

## SPECIFICATIONS

Module Type	XRM365W-60-166		XRM370W-60-166		XRM375W-60-166		XRM380W-60-166	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax)	365Wp	272Wp	370Wp	276Wp	375Wp	280Wp	380Wp	283Wp
Maximum Power Voltage (Vmp)	33.81V	31.72V	34.01V	31.88V	34.22V	32.03V	34.42V	32.21V
Maximum Power Current (Imp)	10.79A	8.58A	10.88A	8.65A	10.96A	8.73A	11.04A	8.81A
Open-circuit Voltage (Voc)	40.61V	38.69V	40.81V	38.93V	41.01V	39.16V	41.21V	39.37V
Short-circuit Current (Isc)	11.25A	9.15A	11.33A	9.23A	11.41A	9.31A	11.49A	9.39A
Module Efficiency STC (%)	20.10%		20.30%		20.60%		20.90%	
Operating Temperature( °C )	-40°C~+85°C							
Maximum system voltage	1500VDC (IEC)							
Maximum series fuse rating	20A							
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>, module temperature 25°C, AM=1.5

\*NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/s

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Specific ations included in this datasheet are subject to change without notice.

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**XRM365-380W-60-166**