

## MBB-72M-182

## 535-550 Watt

### MONO-FACIAL MODULE

### P-Type

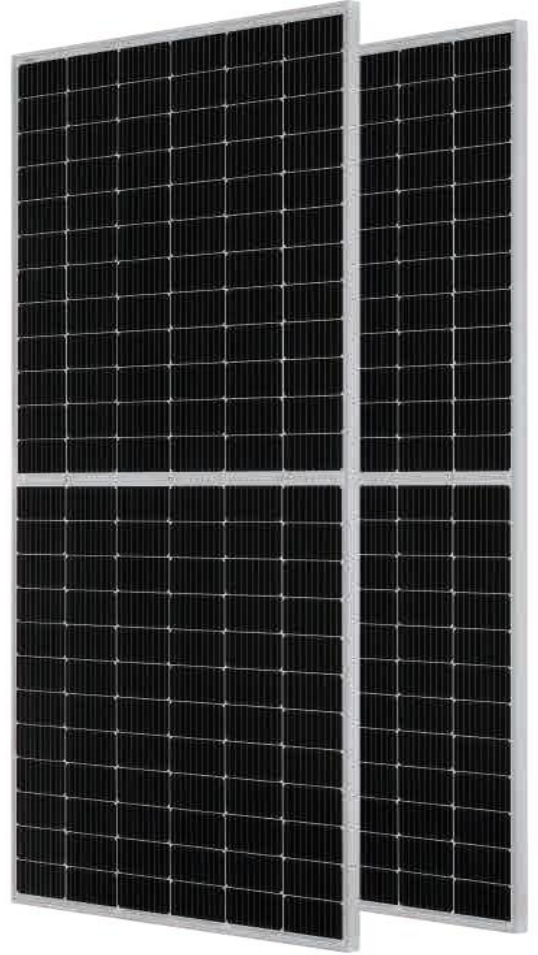
Positive power tolerance of 0~+3%

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.



### Reduced Hot Spot Loss

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



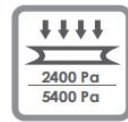
### Longer Life-time Power Yield

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



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

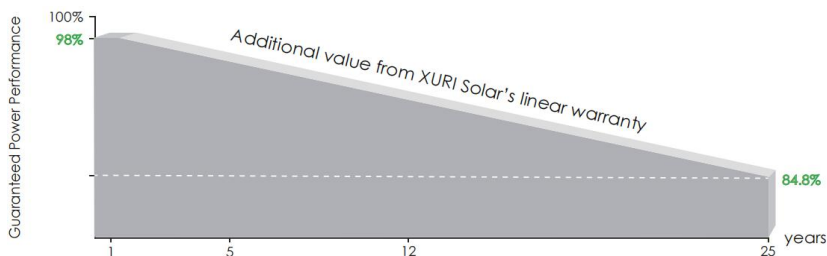


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

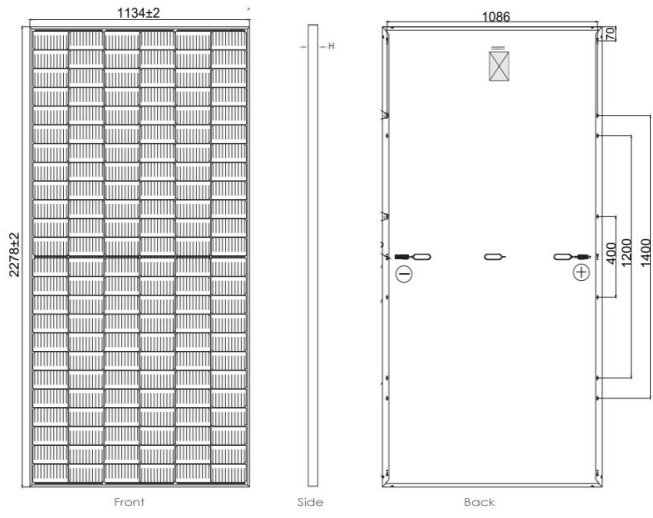


12 Year Product Warranty

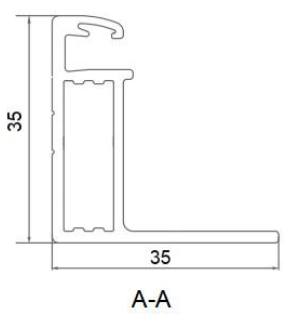
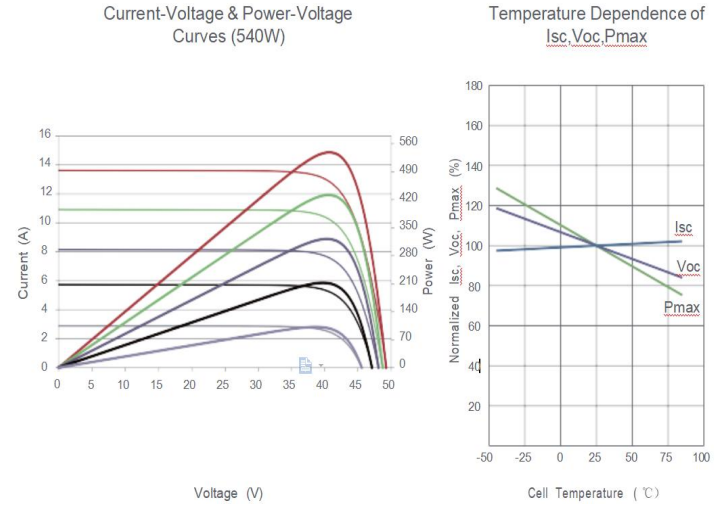
25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

# Engineering Drawings



# Electrical Performance & Temperature Dependence



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

## Mechanical Characteristics

Cell Type:	P type Mono-crystalline 182X91
No. of Cells:	144 (6×24)Pcs
Dimensions:	2278x1134x35mm
Weight:	28Kg
Front Glass:	3.2mm, Anti-Reflection Coating
Frame:	Anodized Aluminium Alloy
Junction Box:	IP68 Rated

## Packaging Configuration

( Two pallets = One stack )  
Packaging Configuration : 62pcs / box, 620pcs / 40'HQ Container

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

## SPECIFICATIONS

Module Type	XRM535W-72-182		XRM540W-72-182		XRM545W-72-182		XRM550W-72-182	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax)	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp	550Wp	409Wp
Maximum Power Voltage (Vmp)	40.63V	37.91V	40.70V	38.08V	40.80V	38.25V	40.90V	38.42V
Maximum Power Current (Imp)	13.17A	10.50A	13.27A	10.55A	13.36A	10.60A	13.45A	10.65A
Open-circuit Voltage (Voc)	49.34V	46.57V	49.42V	46.65V	49.52V	46.74V	49.62V	46.84V
Short-circuit Current (Isc)	13.79A	11.14A	13.85A	11.19A	13.94A	11.26A	14.03A	11.33A
Module Efficiency STC (%)	20.72%		20.91%		21.10%		21.30%	
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>, 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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XRM535-550W-72-182