

## MBB-55M-210

### 540-555 Watt

#### MONO-FACIAL MODULE

#### P-Type

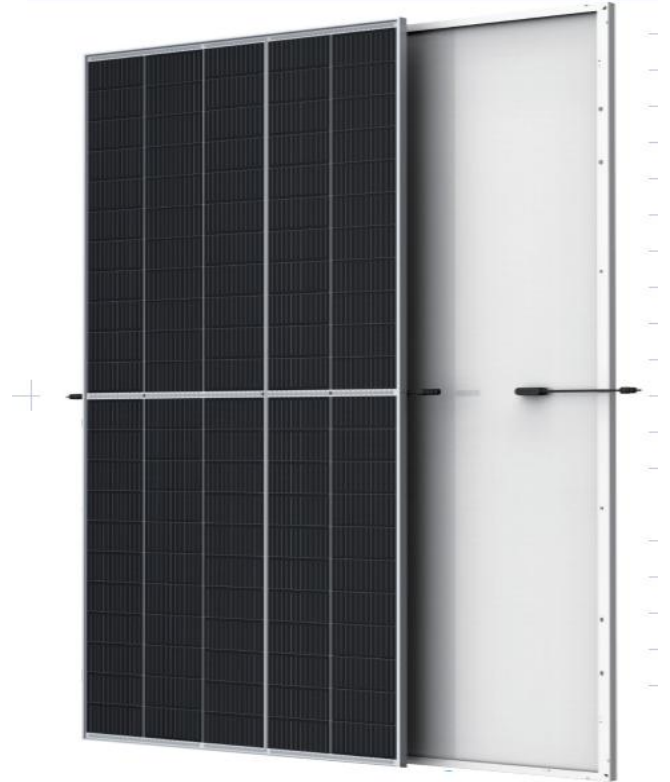
Positive power tolerance of 0~+3%

IEC 61215, IEC 61730, UL61215, UL61730

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.



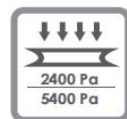
#### Longer Life-time Power Yield

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



#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

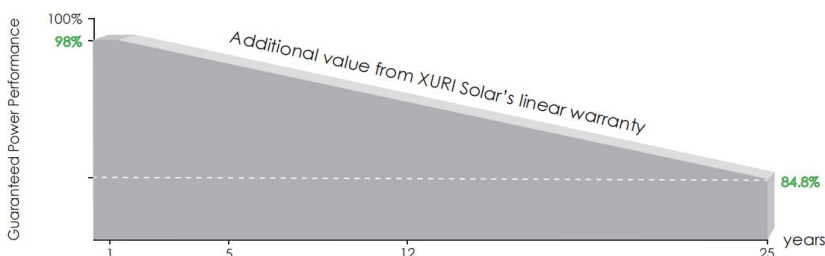


#### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

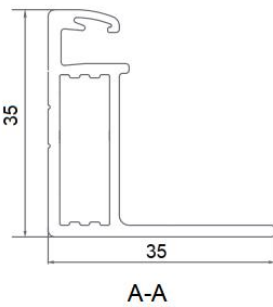
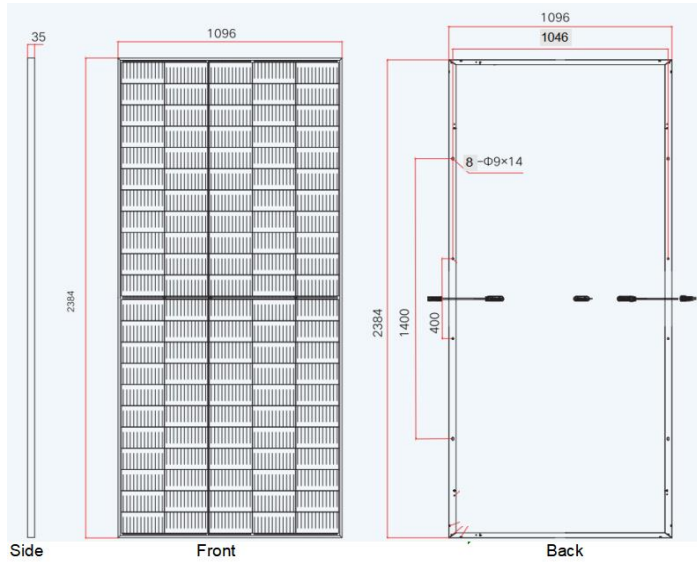


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

# Engineering Drawings



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

## Packaging Configuration

( Two pallets = One stack )

Packaging Configuration : 62pcs / box, 620pcs / 40'HQ Container

## SPECIFICATIONS

Module Type	XRM540W-55-210		XRM545W-55-210		XRM550W-55-210		XRM555W-55-210	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax)	540Wp	409Wp	545Wp	413Wp	550Wp	417Wp	555Wp	420Wp
Maximum Power Voltage (Vmp)	31.56V	29.26V	31.76V	29.44V	31.96V	29.63V	32.16V	29.81V
Maximum Power Current (Imp)	17.11A	13.98A	17.16A	14.03A	17.21A	14.07A	17.26A	14.09A
Open-circuit Voltage (Voc)	37.86V	35.13V	38.06V	35.32V	38.26V	35.51V	38.46V	35.69V
Short-circuit Current (Isc)	18.12A	14.86A	18.17A	14.90A	18.22A	14.94A	18.27A	14.98A
Module Efficiency STC (%)	20.67%		20.86%		21.05%		21.24%	
Operating Temperature ( °C )	-40°C ~ +85°C							
Maximum system voltage	1500VDC							
Maximum series fuse rating	30A							
Power tolerance	0~+3%							
Temperature coefficients of	-0.36% / °C							
Temperature coefficients of Voc	-0.28% / °C							
Temperature coefficients of Isc	0.05% / °C							
Nominal operating cell temperature (NOCT)	45 $\pm$ 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								

Jiaxing Xuri Solar Technology Co.,Ltd.

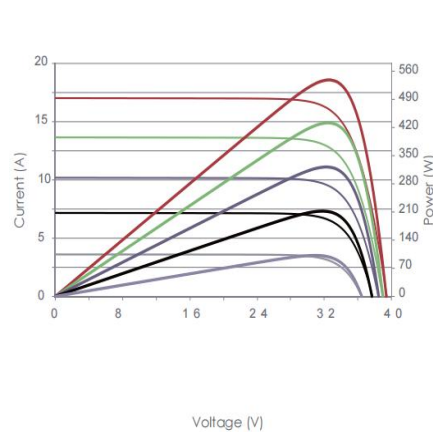
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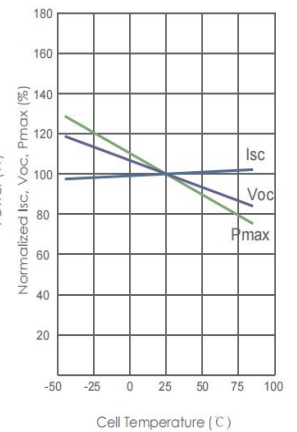
Specific ations included in this datasheet are subject to change without notice.

# Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (540W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type:	P type Mono-crystalline 210X105mm
No. of Cells:	110 (5×22)pcs
Dimensions:	2384x1096x35mm
Weight:	29.5Kg
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

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**XRM540-555W-55-210**