

XRMB-535-550W-72-182

BIFACIAL MODULE WITH DUAL GLASS

182-PERC

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.



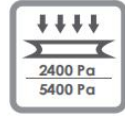
Longer Life-time Power Yield

0.45% annual power degradation and 30 yearlinear power warranty.



PID Resistance

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



Enhanced Mechanical Load

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

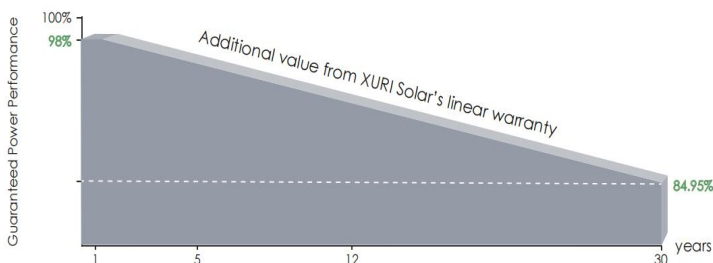


Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



LINEAR PERFORMANCE WARRANTY

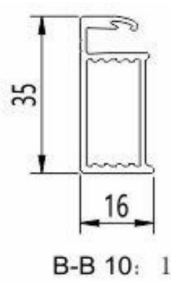
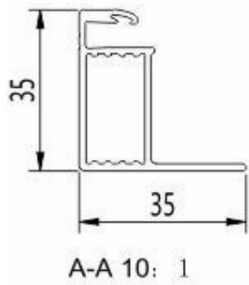
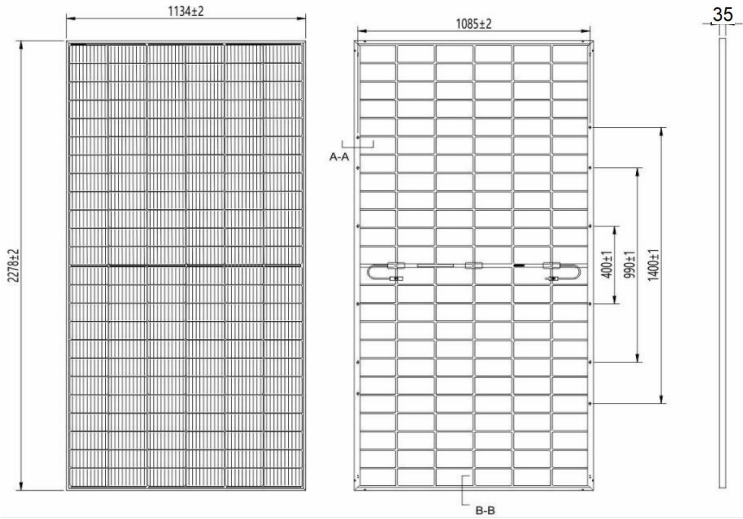


12 Year Product Warranty

30 Year Linear Power Warranty

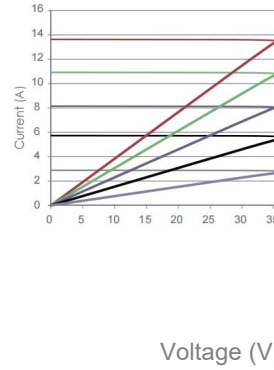
0.45% Annual Degradation Over 30 years

Engineering Drawings

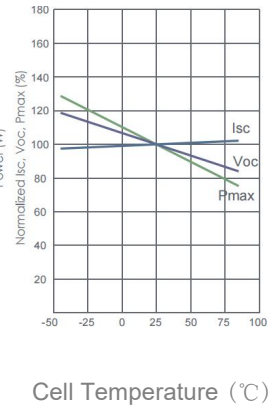


Electrical Performance & Temperature Dependence

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



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type:	P type Mono-crystalline 182x91mm
No. of Cells:	144 (6x24)Pcs
Dimensions:	2278x1134x35mm
Weight:	32Kg
Front Glass:	2.0mm, Anti-Reflection Coating
Back Glass:	2.0mm, Heat Strengthened Glass
Frame:	Anodized Aluminium Alloy
Junction Box:	IP68 Rated
Output Cables:	1x4mm ² (TUV) Length: (+)300mm,(-)300mm or Customized Length

Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

SPECIFICATIO

Module Type	XRMB-535W-72-182		XRMB-540W-72-182		XRMB-545W-72-182		XRMB-550W-72-182		XRMB-555W-72-182	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	535Wp	398Wp	540WP	402Wp	545Wp	405Wp	550Wp	409Wp	555Wp	413Wp
Maximum Power Voltage (Vmp)	40.94V	37.94V	41.13V	38.08V	41.32V	38.25V	41.51V	38.42V	41.70V	38.59V
Maximum Power Current (Imp)	13.07A	10.49A	13.13A	10.55A	13.19A	10.60A	13.25A	10.65A	13.13A	10.70A
Open-circuit Voltage (Voc)	49.54V	46.76V	49.73V	46.94V	49.92V	47.12V	50.11V	47.30V	50.30V	47.48V
Short-circuit Current (Isc)	13.83A	11.71A	13.89A	11.22A	13.95A	11.27A	14.01A	11.32A	14.07A	11.36A
Module Efficiency STC (%)	20.71%		20.90%		21.10%		21.29%		21.49%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
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									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

	XRMB-535W-72-182	XRMB-540W-72-182	XRMB-545W-72-182	XRMB-550W-72-182	XRMB-555W-72-182
5%Maximum Power (Pmax)	561.8Wp	567.1Wp	572.3Wp	577.5Wp	582.8Wp
5%Module Efficiency STC (%)	21.7%	21.9%	22.2%	22.4%	22.6%
15%Maximum Power (Pmax)	615.3Wp	621.1Wp	626.8Wp	632.5Wp	638.3Wp
15%Module Efficiency STC (%)	23.8%	24.1%	24.3%	24.5%	24.7%
25%Maximum Power (Pmax)	666.8Wp	675.1Wp	681.3Wp	687.5Wp	693.8Wp
25%Module Efficiency STC (%)	25.9%	26.1%	26.4%	26.6%	26.9%

*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

*NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1 m/s

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