



PRELIMINARY

X-MAX XMB

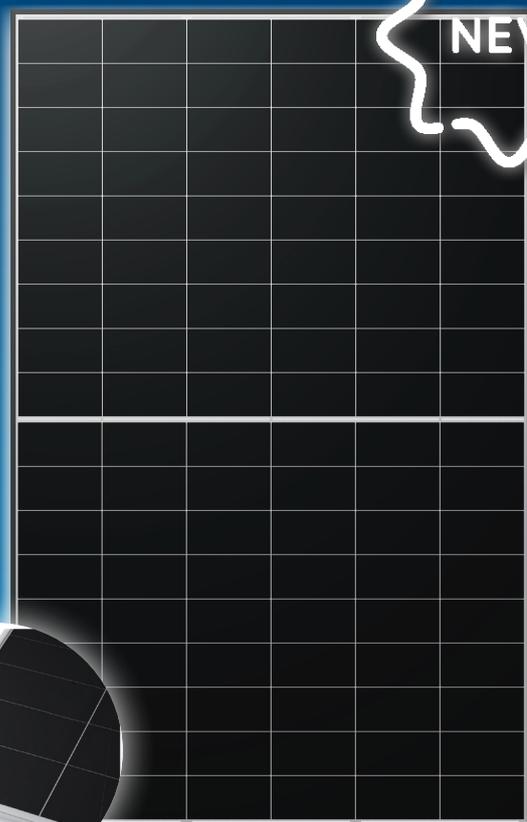
Outstanding performance

470/500_{Wp}
MAX POWER

Back Contact
Technology

24.5%
Efficiency

-0.260%/°C
Temperature coefficient



Linear Warranty:

- **30 years linear power Warranty**
- **99%** at the end of the **1st** year
- **88.85%** at the end of the **30th** year

Product Warranty:

- **15 years product Warranty**

CONFORM TO

| UNI9177 | PV CYCLE | CE |
UNI EN ISO 9001:2015
UNI EN ISO 14001:2015
UNI EN ISO 45001:2018

| Quality management system
| Standards for environmental management system
| International standards for occupational health and safety

ELECTRICAL DATA	XMBD2470CBDBB		XMBD2475CBDBB		XMBD2480CBDBB		XMBD2485CBDBB		XMBD2490CBDBB		XMBD2495CBDBB		XMBD2500CBDBB	
	STC	NOCT												
Testing condition														
Open circuit Voltage (Voc)	40.50 V	38.42 V	40.63 V	38.55 V	40.76 V	38.67 V	40.89 V	38.80 V	41.02 V	38.92 V	41.15 V	39.04 V	41.28 V	39.16 V
Voltage at Pmax (Vmp)	33.64 V	31.92 V	33.74 V	32.01 V	33.84 V	31.11 V	33.94 V	32.20 V	34.04 V	32.30 V	34.14 V	32.40 V	34.24 V	32.49 V
Short-circuit current (Isc)	14.82 A	11.97 A	14.89 A	12.03 A	14.96 A	12.29 A	15.03 A	12.15 A	15.10 A	12.21 A	15.17 A	12.26 A	15.24 A	12.32 A
Current at Pmax (Imp)	13.98 A	11.17 A	14.09 A	11.27 A	14.19 A	11.35 A	14.30 A	11.44 A	14.40 A	11.51 A	14.50 A	11.59 A	14.60 A	11.67 A
Peak Power (Pmax/W)	470 Wp	357 Wp	475 Wp	361 Wp	480 Wp	364 Wp	485 Wp	368 Wp	490 Wp	372 Wp	495 Wp	375 Wp	500 Wp	379 Wp
Module Efficiency	23.00%		23.30%		23.50%		23.80%		24.00%		24.30%		24.50%	
Voc and Isc Tolerance	0~3%													
Maximum voltage	DC1500V (IEC)													
Maximum series fuse rating	25 A													
Operating Temperature	-40°C ~ +85°C													

* STC (Standard test conditions) Irradiance 1000 w/m², temperature 25°C, AM= 1.5

Tolerance electric measurement and Power output ±3%

* NOCT (Nominal Operating Cell Temperature) Irradiance 800 w/m², temperature 20°C, AM= 1.5 wind speed 1 m/s

TEMPERATURE COEFFICIENT

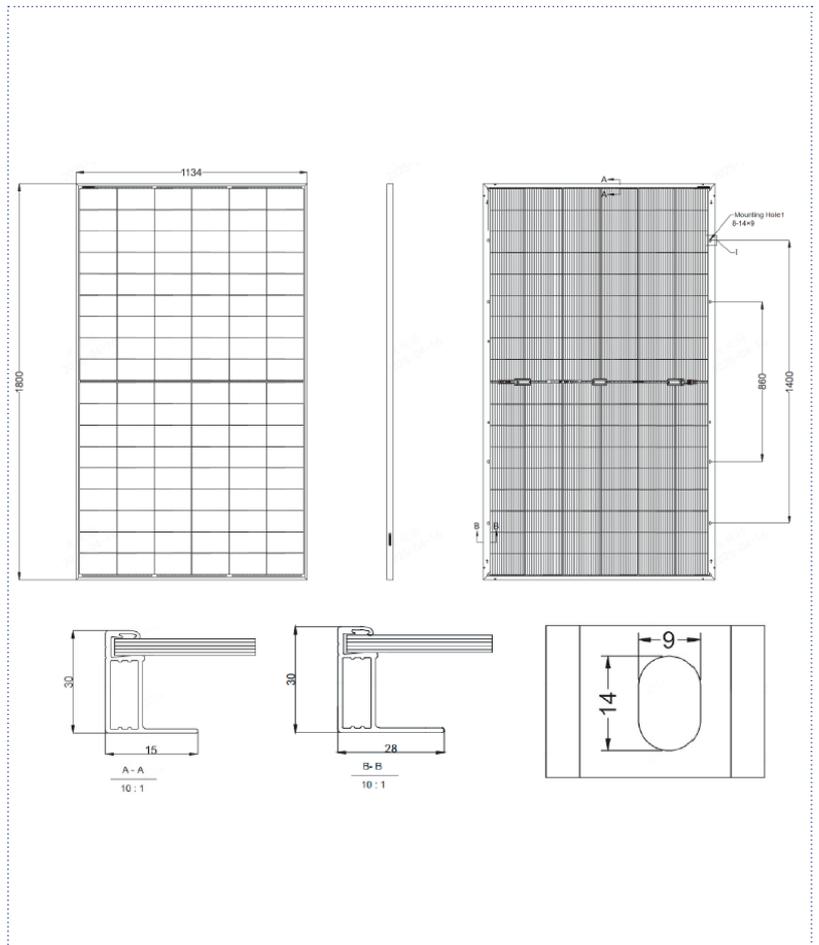
Nominal Operating Cell Temperature	45±2°C
Pmax Temperature Coefficient	-0.260%/ °C
Voc Temperature Coefficient	-0.220%/ °C
Isc Temperature Coefficient	0.050%/ °C

MECHANICAL CHARACTERISTIC

Maximum Load	5400 Pa / 2400 Pa
Dimensions (mm)	1800 x 1134 x 30
Weight (Kg)	24.80
Solar cells type	BC-CELL
No. solar cells	108 (6x18)

PACKING CONFIGURATION

Module per stack	37 pcs.
Modules per container 40'HQ	888 pcs.



GENERAL INFORMATION

Glass	Glass 2.0mm+2.0mm
Frame	Black Anodized aluminum alloy frame
Junction Box	IP68, 3 Bypass diodes
Output Cable	4mm², +400, -200mm/±1200mm length can be customized

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