



MX-EAMH-600W-TD

MBB HALF-CELL N-Type TOPCon Bifacial
Double Glass Monocrystalline PV Module

600W

POWER RANGE

23.22%

MAXIMUM EFFICIENCY

0.40%

YEARLY DEGRADATION



15 YEARS PRODUCT WARRANTY



30 YEARS OUTPUT
GUARANTEE



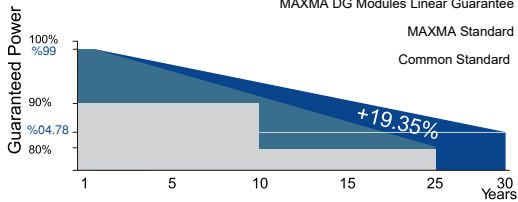
IEC 61215/IEC 61730

ISO 14001: Environmental Management System

ISO 9001: Quality Management System

ISO45001: Occupational Health and Safety Management System

*As there are different certification requirements in different markets, please contact your local sales representative for the specific certificates applicable to the products in the region in which the products are to be used.



*Please check the valid version of Limited Product Warranty which is officially released by MAXMA.

Key Features



Excellent Cells Efficiency

SMBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and early morning.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.



Reaction to Fire Class 1

In conformity with standard UNI 9177:1987, reaction to fire class 1.



Excellent Quality Management System

Warranted reliability and stringent quality assurances well beyond certified requirements.

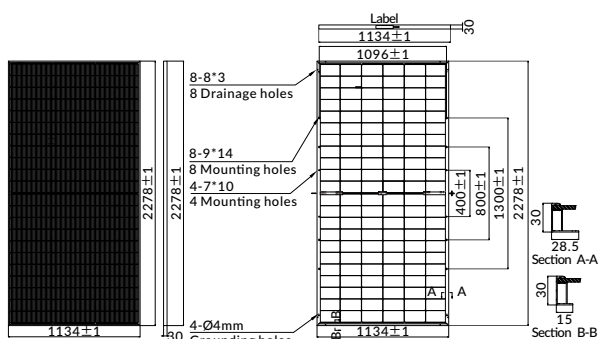


Bifacial Technology

Up to 25% additional power gain from back side depending on albedo.

MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2278 x 1134 x 30mm
Weight	31.5kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	600	
	STC	NMOT
Maximum power (Pmax)	600W	455W
Open Circuit Voltage (Voc)	52.05V	48.41V
Short Circuit Current (Isc)	14.66A	12.02A
Voltage at Maximum power (Vmpp)	43.25V	40.13V
Current Maximum Power (Impp)	13.89A	11.33A
MODULE EFFICIENCY (%)	23.22%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

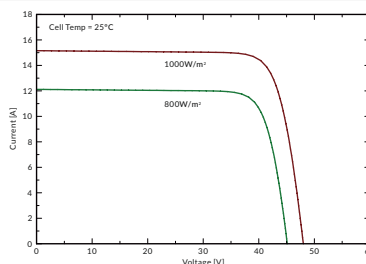
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum power (Pmax)	630W
	Module Efficiency STC (%)	24.38%
15%	Maximum power (Pmax)	690W
	Module Efficiency STC (%)	26.70%
25%	Maximum Power (Pmax)	750W
	Module Efficiency STC (%)	29.03%

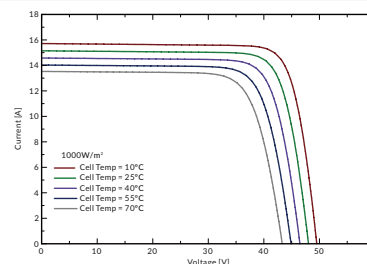
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	36
Pallets per container	20
Pieces per container	720

I-V CURVE



600W



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C