POWER MAXMA

مكسما
ماركة مسجلة

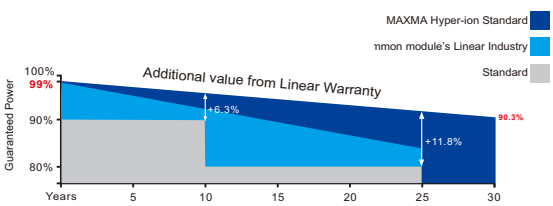
MX-FCMH-710W-HD

18BB HALF-CELL N-Type Bifacial Double Glass Monocrystalline PV Module

710W	23.2%	0.30%
POWER RANGE	MAXIMUM EFFICIENCY	YEARLY DEGRADATION

15 YEARS PRODUCT WARRANTY

30 YEARS OUTPUT GUARANTEE



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

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.

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 Managerment System

Warranted reliability and stringent quality assurances well beyond certified requirements.

Bifacial Technology

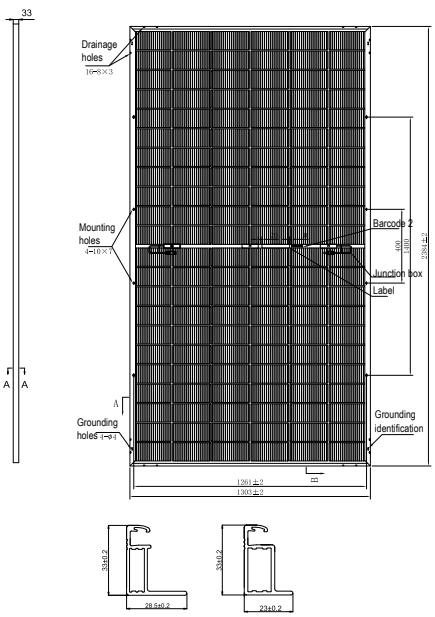
Up to 25% additional power gain from back side depending on albedo.

MX-FCMH-710W-HD

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

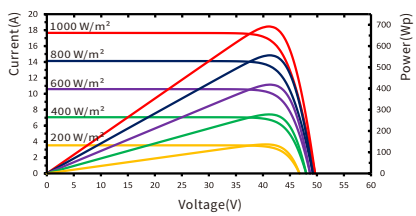
Dimensions of PV Module

Unit: mm



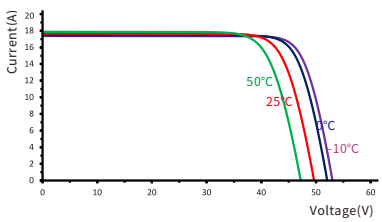
MX-FCMH-710W-HD

I-V characteristics at different irradiations



I-V characteristics at different temperatures

（AM1.5，1000W/m²）



PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	576
Number of modules per pallet	32
Number of pallets per container	18
Packaging box dimensions (LxWxH) in mm	1320×1125×2520
Box gross weight[kg]	1289

ELECTRICAL DATA (STC)

Model Type	MX-FCMH-710W-HD
Rated Power in Watts-Pmax(Wp)	710
Open Circuit Voltage-Voc(V)	50.01
Short Circuit Current-Isc(A)	17.99
Maximum Power Voltage-Vmpp(V)	41.93
Maximum Power Current-Impp(A)	16.93
Module Efficiency (%) ★	22.9

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.
Bifacial factor: 85±10(%)　★ Module Efficiency (%): Rounding to the nearest number

Electrical characteristics with 10% rear side power gain

Total Equivalent power -Pmax (Wp)	781
Open Circuit Voltage-Voc(V)	50.01
Short Circuit Current-Isc(A)	19.79
Maximum Power Voltage-Vmpp(V)	41.93
Maximum Power Current-Impp(A)	18.63

Rear side power gain: The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

ELECTRICAL DATA (NMOT)

Model Type	MX-FCMH-710W-HD
Maximum Power-Pmax (Wp)	541.9
Open Circuit Voltage-Voc (V)	46.86
Short Circuit Current-Isc (A)	14.75
Maximum Power Voltage-Vmpp (V)	39.21
Maximum Power Current-Impp (A)	13.82

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	*n*-type
Cell configuration	132 cells (6×11+6×11)
Module dimensions	2384×1303×33mm
Weight	37.5kg
Superstrate	High Transmission, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm², Positive(+)350mm, Negative(-)230mm (Connector Included), or customized length
Connector	Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	43°C±2°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	0.047%/°C
Temperature Coefficient of Pmax	-0.24%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	35A
Limiting Reverse Current	35A