

**12 Bus Bars  
MONO MODULE  
SINGLE PHASE PERC**

**MX -G12-M-60-MH-  
(590-605)W**



High conversion efficiency  
High module efficiency to guarantee power output.



0 to +5W positive tolerance  
Detailed information in Electrical Specifications.



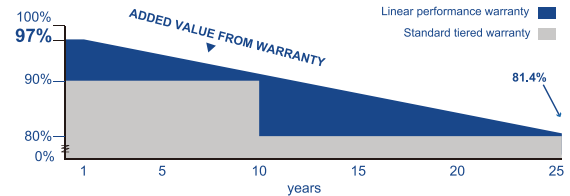
Self-cleaning glass  
Coating glass for self-cleaning, reduce surface dust.



48-hour response service



Outstanding low irradiation performance  
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



Excellent loading capability  
2400Pa wind loads, 5400Pa snow loads.



25-year performance warranty



10-year warranty on materials and workmanship

## ELECTRICAL DATA

Model Type (MX -G12-M-60-MH-***W)	590	595	600	605
Peak Power (Pmax)	590W	595W	600W	605W
Module Efficiency	20.85%	21.02%	21.20%	21.38%
Maximum Power Voltage (Vmp)	34.00V	34.20V	34.40V	34.60V
Maximum Power Current (Imp)	17.35A	17.40A	17.44A	17.49A
Open Circuit Voltage (Voc)	41.10V	41.30V	41.50V	41.70V
Short Circuit Current (Isc)	18.42A	18.47A	18.52A	18.57A
Power Tolerance			0 to +5W	
Maximum System Voltage Nominal			1500V	
Operating Cell Temperature Maximum			41±3°C	
Series Fuse Rating			30A	

## MECHANICAL DATA

Cell Type	210mm, Mono
Number of Cells	120(10×6×2)
Weight	30.9kg
Dimension	2172×1303×35mm
Max Load	5400 Pascals
Junction Box	IP68 rated
Connector	MC4 Compatible
Wire Type	PV Wire

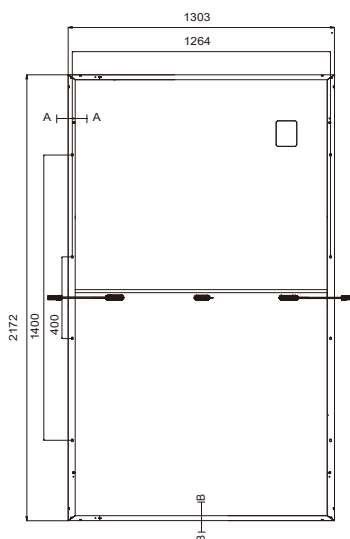
## TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	+0.05% /°C
Temp. Coeff. of Voc (TK Voc)	-0.28% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.36% /°C

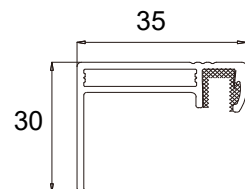
## PACKING MANNER

Container	40' HQ
Pieces per Pallet	31
Pieces per Container	558

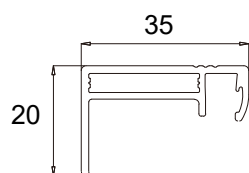
## PHYSICAL CHARACTERISTICS



Frame Cross Section A-A

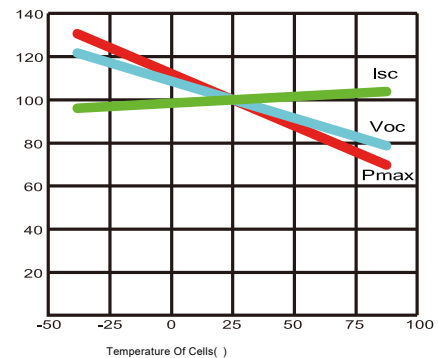
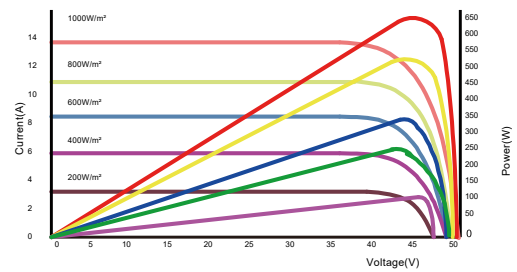


Frame Cross Section B-B



## ELECTRICAL CHARACTERISTICS

MX-G12-M-60-MH-590W



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800W/m<sup>2</sup>, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.