



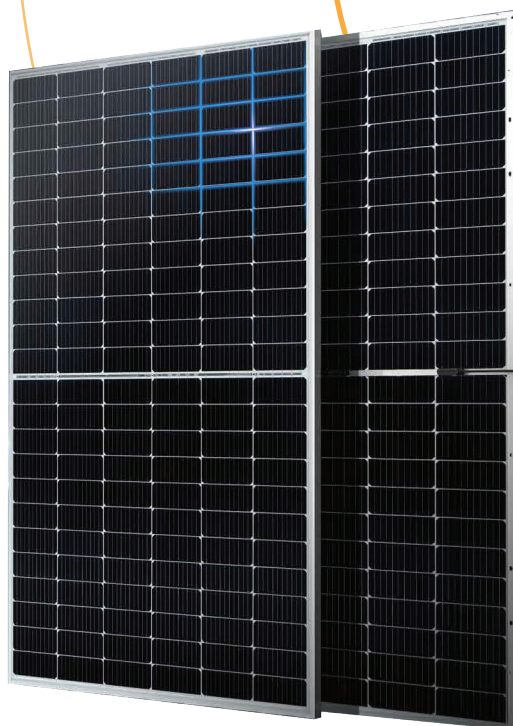
# MEMSOLAR

## M72H7P

**132-cell 600 - 620W**

**Bifacial Dual Glass**

**16BB Half-cut Mono N-type**



### SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

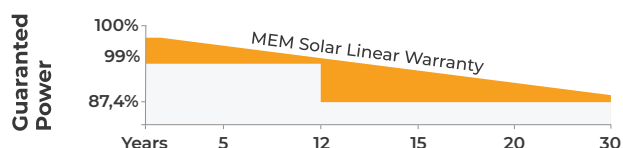


### PERFORMANCE WARRANTY

**12 years**  
Quality Assurance

**30 years**  
Power Output Guarantee

- Linear Performance Warranty
- Standard Performance Warranty



## Extra Electrons, Extraordinary Efficiency.

### KEY FEATURES



#### 16BB Half-cut Cell Technology

Lower LID/LeTID Degradation and better low light performance Lower degradation attenuation <1% (1st year) / ≤0.4% (Linear)



#### Industry Leading High Yield

Bifacial TOPCon cell technology, Dual-sided power generation gain from back side depending on albedo, significantly reduce LCOE



#### Excellent Anti-PID Performance

192 hours industry standard Anti-PID test



#### Wider Application

No water-permeability and high wear-resistance, can be widely used in high-humid, windy and dusty area



#### IP68 Junction Box

High waterproof level

## ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	600	459	605	462	610	466	615	470	620	473
Operating Voltage (Vmpp/V)	40.30	37.90	40.50	38.10	40.80	38.30	41.00	38.50	41.20	38.70
Operating Current (Impp/A)	14.91	12.11	14.94	12.13	14.96	12.16	15.00	12.21	15.05	12.23
Open-Circuit Voltage (Voc/V)	48.40	46.00	48.70	46.20	49.00	46.50	49.30	46.80	49.60	47.10
Short-Circuit Current (Isc/A)	15.80	12.73	15.83	12.75	15.86	12.78	15.90	12.81	15.94	12.84
Module Efficiency (%)	22.20		22.40		22.60		22.80		23.00	

STC: Irradiance 1000W/m<sup>2</sup>, Spectra at AM1.5, Module Temperature 25°C. Power output tolerance: 0~+5W, Test uncertainty for Pmax : ±3%  
 NMOT : Irradiance 800W/m<sup>2</sup>, Spectra at AM1.5, Ambient Temperature 20°C, Wind speed 1m/s

## REAR SIDE POWER GAIN(REFERENCE TO 610W FRONT)

Pmax gain	5%	10%	15%	20%	25%
Pmax/W	641	671	702	732	763
Vmpp/V	40.80	40.80	40.80	40.80	40.80
Impp/A	15.71	16.46	17.20	17.95	18.70
Voc/V	49.00	49.00	49.00	49.00	49.00
Isc/A	16.65	17.45	18.24	19.03	19.83

## MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono-Crystallin (16Busbar)
No. of Cells	132pcs in series (6*22)
Module Dimensions	2382*1134*30mm (93.78*44.65*1.18inches)
Weight	33.7kg (74.29lbs.)
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4mm <sup>2</sup> (IEC), 12AWG(UL) 350mm(+),250mm(-) or Customized Length
Connectors	T01/LJQ-3-CSY/MC4/MC4-EVO2

## APPLICATION CONDITIONS

Maximun System Voltage	1500V/DC
Operating Temperature	-40°C~+85°C
Maximun Series Fuse	35A
Safety Protection Class	Class II
Mechanical Load	Front side 5400Pa, Back side 2400Pa
Refer. Bifaciality Factor	80%±5%

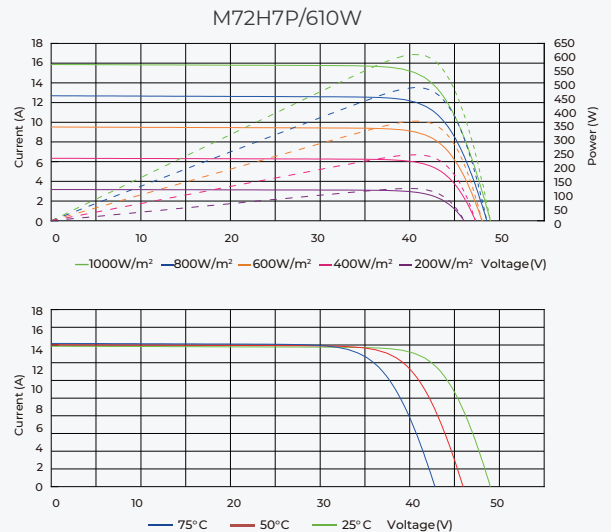
## TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.043%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

## PACKING CONFIGURATION

Pieces Per Pallet	36	36(USA)
Pieces Per Container( 40'HQ )	720	540

## I-V CURVE



## TECHNICAL DRAWINGS

