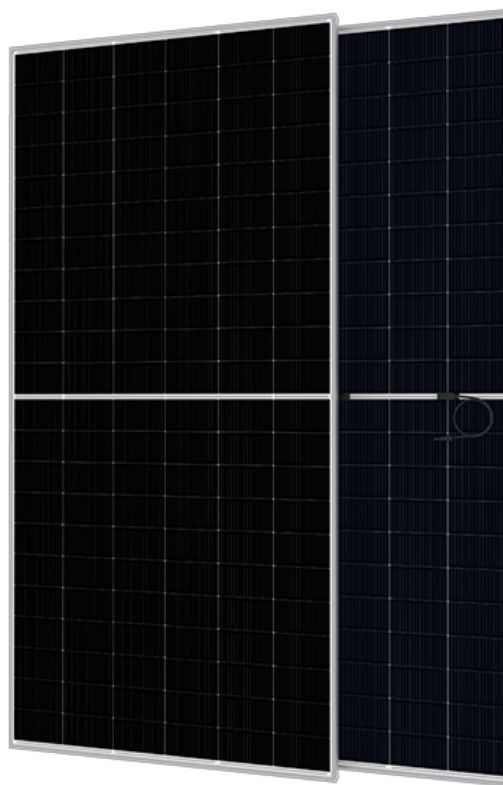




MEMSOLAR M66H8NTP

132-cell 610 - 630W
Bifacial Dual Glass
16BB Half-cut Mono N-type



**Extra Electrons,
Extraordinary Efficiency.**

SYSTEM & PRODUCT CERTIFICATES

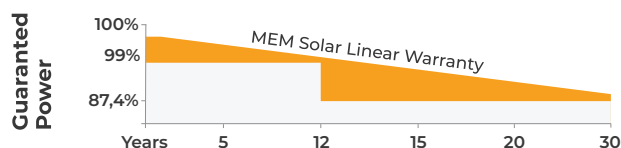
- IEC 61215 / IEC 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

PERFORMANCE WARRANTY

12 years
Quality
Assurance

30 years
Power Output
Guarantee

- Linear Performance Warranty
- Standard Performance Warranty



KEY FEATURES



16BB Half-cut Cell Technology

Lower LID/LeTID degradation and better low light performance Lower degradation attenuation <1% (1st year) / $\leq 0.4\%$ (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 PARAMETERS AT STC

	M66H8NTP 610	M66H8NTP 615	M66H8NTP 620	M66H8NTP 625	M66H8NTP 630
TYPE	610	615	620	625	630
Rated Maximum Power(Pmax) [W]	610	615	620	625	630
Open Circuit Voltage (Voc) [V]	48.10	48.30	48.50	48.70	48.90
Maximum Power Voltage(Vmp) [V]	39.77	39.96	40.21	40.45	40.70
Short Circuit Current(Isc) [A]	16.05	16.10	16.13	16.15	16.18
Maximum Power Current(Imp) [A]	15.34	15.39	15.42	15.45	15.48
Module Efficiency [%]	22.6	22.8	23.0	23.1	23.3
Power Tolerance	0~+3%				
Temperature Coefficient of Isc/a_Isc)	+0.045%/°C				
Temperature Coefficient of Voc (β_Voc)	-0.250%/°C				
Temperature Coefficient of Pmax(γ_Pmp)	-0.290%/°C				
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G				

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

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	33.1 kg (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	4mm² (IEC), 12AWG(UL) 1500mm(+),1500mm(-) or Customized Length
Connectors	QC/ 4.10-351 / MC4-EVO2A

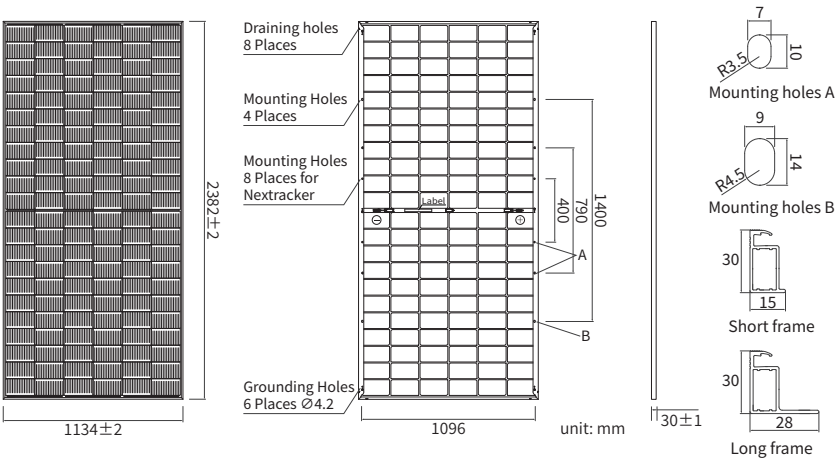
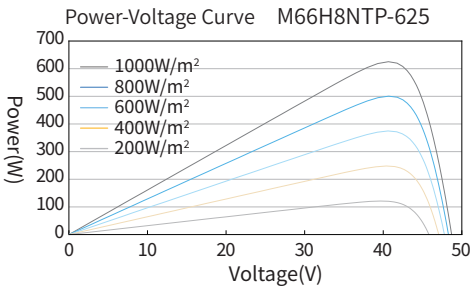
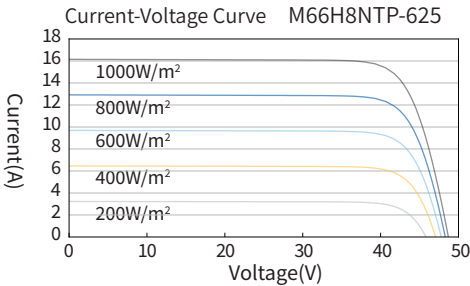
APPLICATION CONDITIONS

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%

PACKING CONFIGURATION

Pieces Per Pallet	36	36(USA)
Pieces Per Container(40'HQ)	720	540
Trucks are added on a package basis.		
There are 20 pallets and 720 pieces in 1 truck.		

CHARACTERISTICS



The details and main characteristics outlined in this datasheet may exhibit minor variations and are not assured. In light of continuous innovation and research and development improvements, Mem Solar retains the authority to modify the information provided here at any time without prior notice. It is recommended to consistently acquire the latest version of the datasheet, which will be considered an integral part of the contractual agreement governing all transactions associated with the acquisition and sale of the described products.