

# MT6N

# 730-750W

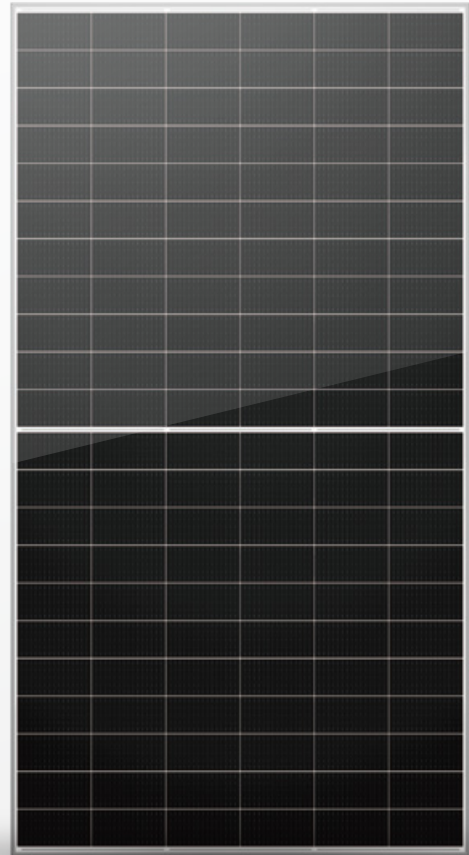
N-type HJT Bifacial Half Cell  
Double-glass Solar Module

## Qualidade Garantida

**25-Year** Warranty for Materials and Processing  
**30-Year** Warranty for Extra Linear Power Output

24.10%

Max. Module Efficiency



MS-66HB

## HJT 2.0 Technology

Combining gettering process and single-side uc-Si technology to ensure higher cell efficiency and higher module power.

## -0.26%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.

## SMBB design with Half-Cut Technology

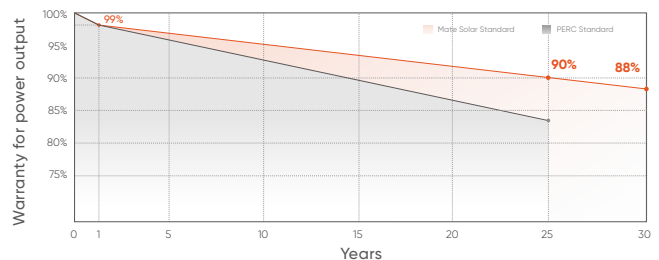
Shorter current transmission distance, less resistive loss and higher cell efficiency.

## Up to 90% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.

## Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extent module lifespan.



\* Please refer to Mate Solar standard warranty for details

## Quality Management System And Product Certification

IEC61215/61730, IEC62804(PID), IEC61701(Salt).

IEC62716 (Ammonia), IEC60068-2-68(Sand).

ISO 9001:2015/quality management system.

ISO 14001:2015/environmental management system.

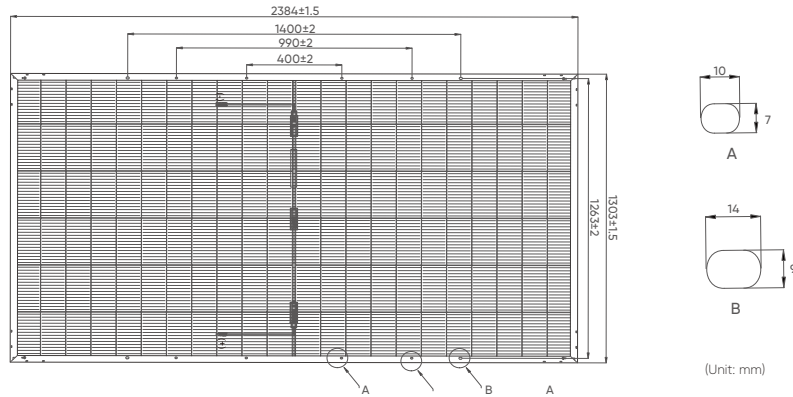
ISO 45001:2018/occupation health safety management system

ISO 50001:2011/energy management system.

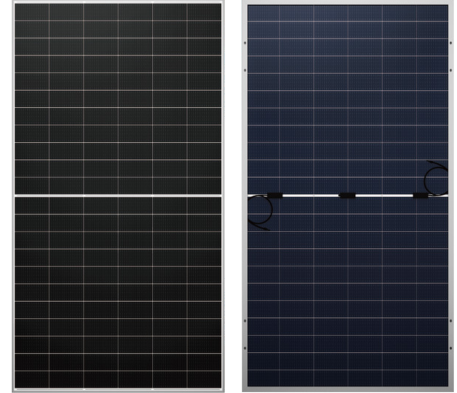
IEC TS 62941-2016/PV industry quality management system .



**Drawings**



**Product Image**



**Mechanical Parameters**

Solar Cells	HJT Mono 210×105mm
No. of Cells	132 (6×22)
Dimensions	2384 × 1303 × 33mm
Weight	37.9kg
Glass Thickness	(F) 2.0mm anti-reflective solar glass   (B) 2.0mm solar glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Output Cables	4mm <sup>2</sup> ; +350/-250mm or customized; UV resistant
Connectors	MC4 original /MC4 compatible
Mechanical load test	5400Pa / 2400Pa
Packaging	33pcs/box, 594pcs/40'HQ

**Operating Characteristics**

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

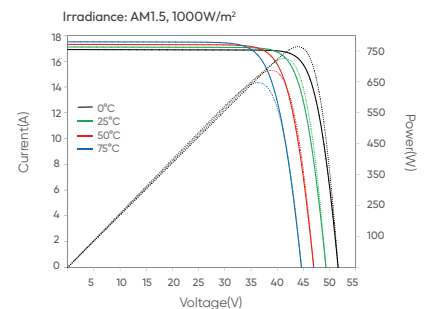
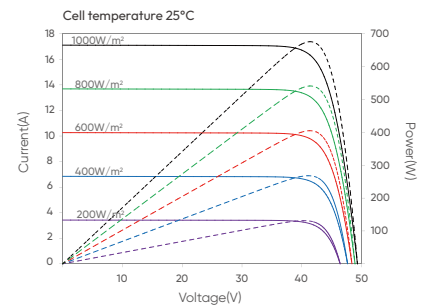
**Temperature Characteristics**

Nominal Operating Temperature (NMOT)	44±2°C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.04%/°C

**Electrical Parameters (STC\*)**

Module Type: MS-66HB	730	735	740	745	750
Maximum power (Pmax/W)	730	735	740	745	750
Open Circuit Voltage (Voc/V)	50.37	50.47	50.57	50.67	50.77
Short Circuit Current (Isc/A)	18.35	18.44	18.53	18.62	18.71
Voltage at Maximum power (Vmpp/V)	42.32	42.41	42.50	42.59	42.68
Current Maximum Power (Impp/A)	17.26	17.34	17.42	17.50	17.58
MODULE EFFICIENCY (%)	23.50	23.70	23.80	24.00	24.10

**I-V Curve**



**Electrical Characteristics (NMOT\*)**

Maximum Power: Pmax[W]	557	561	565	568	572
Open Circuit Voltage: Voc [V]	48.08	48.17	48.27	48.36	48.46
Short Circuit Current: Isc [A]	14.67	14.74	14.81	14.88	14.95
Voltage at Maximum Power: Vmp [V]	40.41	40.50	40.58	40.67	40.76
Current at Maximum Power: Imp [A]	13.79	13.86	13.92	13.99	14.05

1. Standard Test Conditions [STC]: irradiance-1000W/m<sup>2</sup>; AM 1.5; ambient temperature 25°C according to EN 60904-3;  
 2. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.