



# Haitai TaiJi Sound barrier

## HTM290~310MH5-40

Monofacial high efficiency mono PV module

**19.05%**  
Module Efficiency

### PRODUCT FEATURES



#### Economic benefit

The project in the sound barrier increases the benefit of photovoltaic power generation



#### Easy to install

Short frame design, in order to ensure product safety but also have a certain bending ability, more suitable for sound barrier installation environment.



#### High reliability

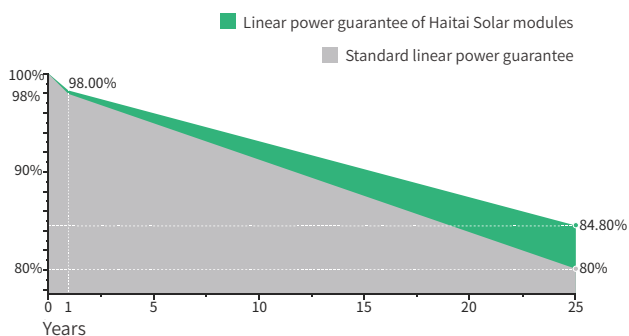
3.2mm all-tempered glass has high corrosion resistance and aging resistance



#### Sound and thermal insulation

The product itself reflects some of the noise, blocking most of the heat generated by sunlight.

### LINEAR PERFORMANCE WARRANTY



12 YEARS

product warranty

25 YEARS

linear power warranty

0.55%

Linear attenuation of 0.55% per year within 25 years

### CERTIFICATES

- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational health and safety management systems
- IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System



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## Electrical Data (STC)

Maximum Power (Pmax/W)	290	295	300	305	310
Open Circuit Voltage (Voc/V)	27.23	27.38	27.53	27.68	27.83
Short Circuit Current (Isc/A)	13.40	13.54	13.67	13.81	13.94
Voltage at Maximum Power (Vmp/V)	22.78	22.93	23.08	23.23	23.38
Current at Maximum Power (Imp/A)	12.74	12.87	13.00	13.13	13.26
Module Efficiency (%)	17.83	18.13	18.44	18.75	19.05
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				
STC (Standard Testing Conditions): Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, AM1.5					

## Electrical Data (NMOT)

Maximum Power (Pmax/W)	217	221	225	229	233
Open Circuit Voltage (Voc/V)	25.00	25.15	25.30	25.45	25.60
Short Circuit Current (Isc/A)	10.92	11.04	11.16	11.27	11.39
Voltage at Maximum Power (Vmp/V)	20.70	20.85	21.00	21.15	21.30
Current at Maximum Power (Imp/A)	10.49	10.60	10.72	10.83	10.94
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m <sup>2</sup> , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

## Mechanical Data

Cell Type	182×91mm
Cell Orientation	80 (4×20)
Module Dimensions	1920×1020×26mm
Weight	21.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy, Steel C-shaped edge protection
Junction Box	Protection class IP68
Cable	4.0 mm <sup>2</sup> positive pole: 200 mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

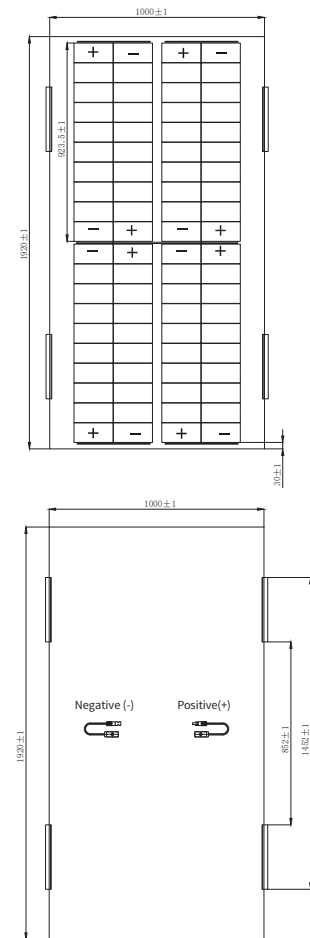
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

## Packaging

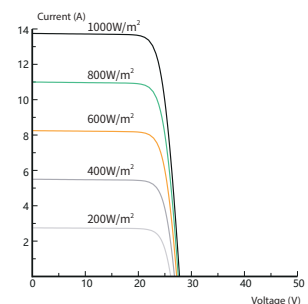
Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	700pcs	35pcs+35pcs

## Module Dimensions (mm)

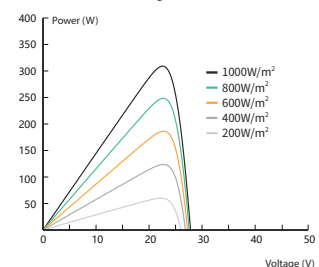


## I-V Curve

Current-Voltage Curve(310W)



Power-Voltage Curve(310W)



Data contained in these specifications is subject to change without notice.

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HAITAI20240527EN