

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

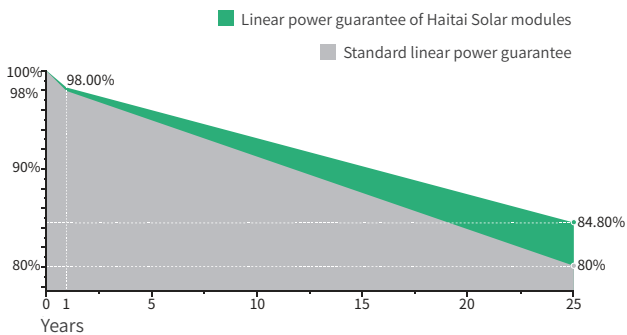
3.2mm all-tempered glass has high corrosion resistance and aging resistance



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



400-0835-985

Web: www.haitai-solar.com E-mail: ht@htsolargroup.com



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 ² , 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 ² , 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 ² positive pole: 200 mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

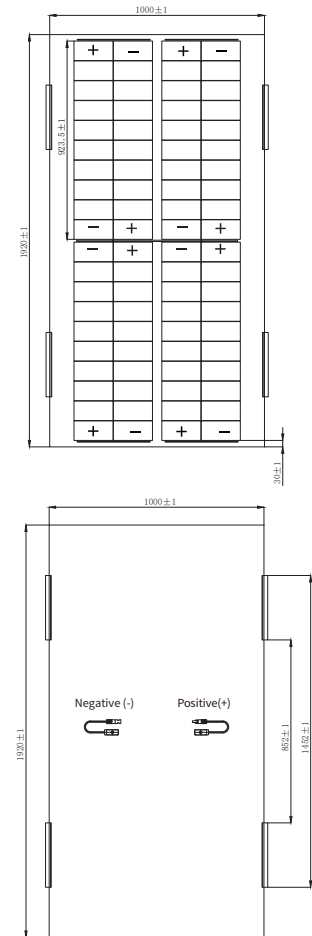
Temperature Coefficients

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

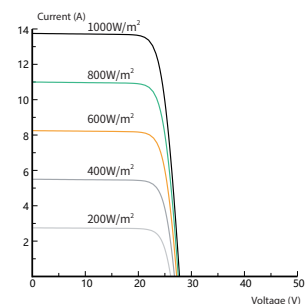
Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	700pcs	35pcs+35pcs

Module Dimensions (mm)

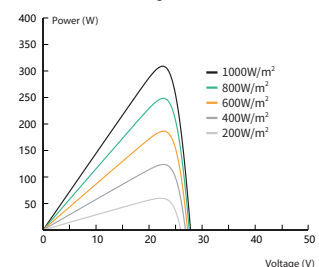


I-V Curve

Current-Voltage Curve(310W)



Power-Voltage Curve(310W)



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

Haitai Solar reserves the right to final interpretation of content.

HAITAI20240527EN