

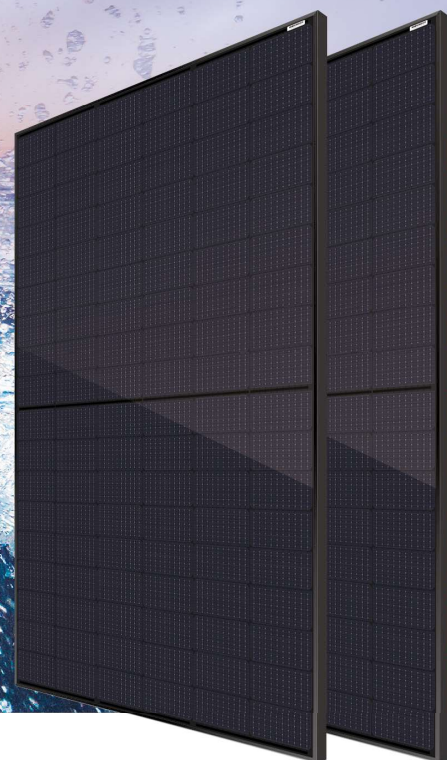
# Haitai TaiJi 182

## HTM390~410MH5-54

Monofacial high efficiency mono PV module

20.97%

Module Efficiency 20.97%



## PRODUCT FEATURES



### High efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



### Highly reliable

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



### High yield

Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



### Low degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



### Low hot-spot risk

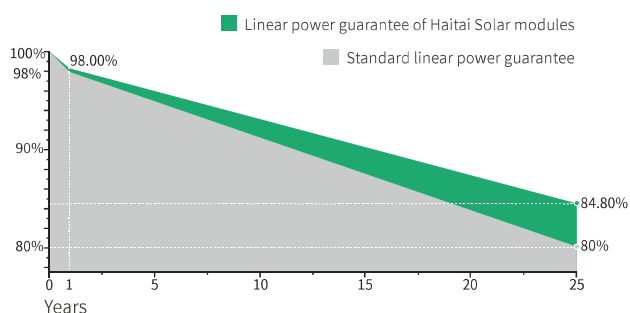
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hot-spot resistance.



### Low micro crack risk

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

## LINEAR PERFORMANCE WARRANTY



12 years product warranty



25 years linear power warranty



Linear attenuation of 0.55% per year within 25 years

## CERTIFICATES

- IEC 61215, IEC 61730
- ISO 9001: 2005 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational health and safety management systems



## Electrical Data (STC)

Maximum Power (Pmax/W)	390	395	400	405	410
Open Circuit Voltage (Voc/V)	36.66	36.81	36.96	37.11	37.26
Short Circuit Current (Isc/A)	13.40	13.50	13.60	13.70	13.79
Voltage at Maximum Power (Vmp/V)	30.70	30.85	31.00	31.15	31.30
Current at Maximum Power (Imp/A)	12.71	12.81	12.91	13.01	13.10
Module Efficiency (%)	19.95	20.20	20.46	20.72	20.97
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				
STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C , AM1.5					

## Electrical Data (NMOT)

Maximum Power (Pmax/W)	292	296	300	304	308
Open Circuit Voltage (Voc/V)	33.67	33.82	33.97	34.12	34.27
Short Circuit Current (Isc/A)	10.93	11.01	11.1	11.18	11.27
Voltage at Maximum Power (Vmp/V)	27.89	28.04	28.19	28.34	28.49
Current at Maximum Power (Imp/A)	10.48	10.56	10.65	10.73	10.82

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 Mono
Cell Orientation	108(6×18)
Module Dimensions	1724×1134×35mm
Weight	22.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film(Black)
Frame Material	Anodized aluminum alloy(Black)
Junction Box	Protection class IP68
Cable	4.0 mm <sup>2</sup> positive pole: 250 mm negative pole: 300 mm wire length can be customized
Connector	MC4 compatible connector

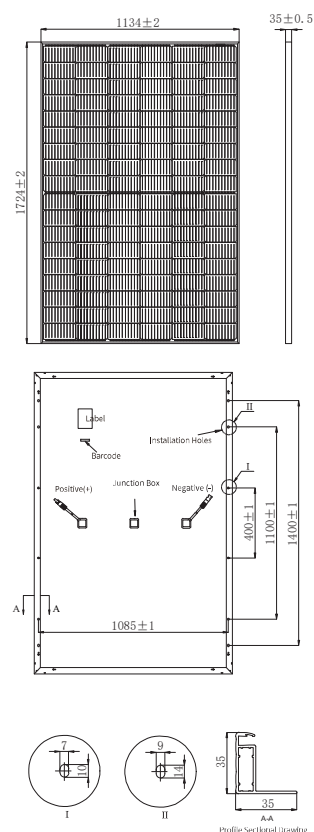
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.350%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

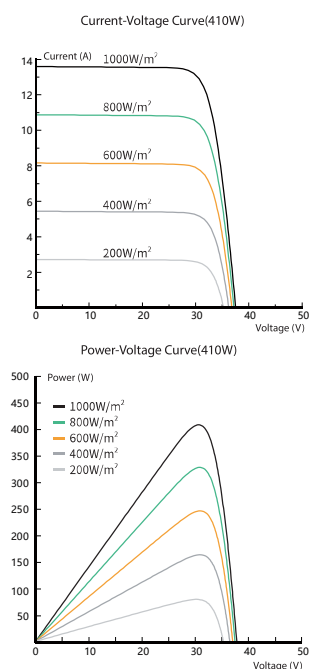
## Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	806pcs	31pcs +31pcs

## Module Dimensions (mm)



## I-V Curve



Web: [www.haitai-solar.com](http://www.haitai-solar.com)  
E-mail: [ht@htsolargroup.com](mailto:ht@htsolargroup.com)

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