

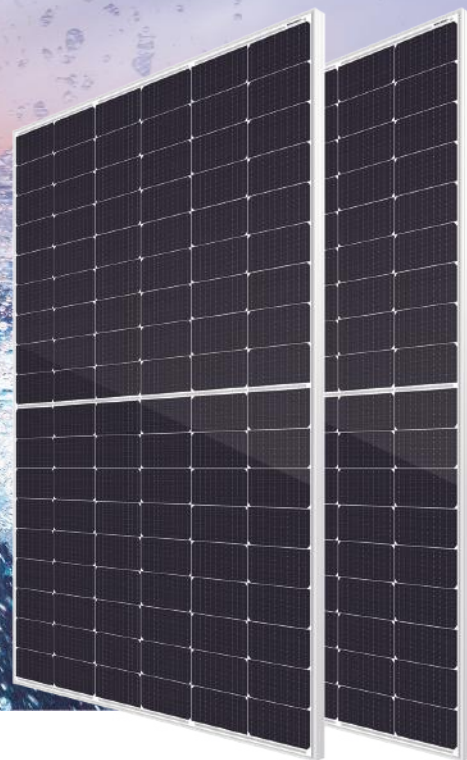
# Haitai TaiJi 182

## HTM405~425MH5-54

Monofacial high efficiency mono PV module

**21.76%**

Module Efficiency 21.76%



### PRODUCT FEATURES



#### High Efficiency

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



#### High Reliability

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



#### High ROI

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 Risk of Hot Spot

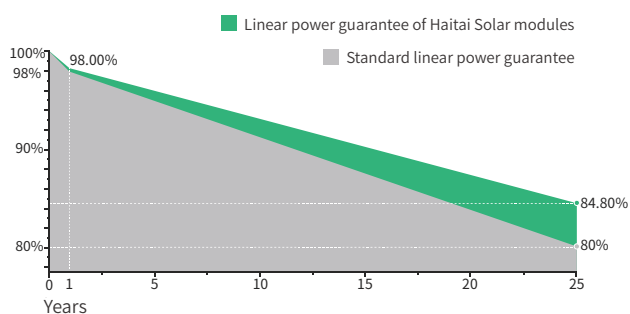
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



#### Low Risk of Micro-Crack

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



0.55% Linear attenuation of 0.55% per year within 25 years

### 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



## Electrical Data (STC)

Maximum Power (Pmax/W)	405	410	415	420	425
Open Circuit Voltage (Voc/V)	37.11	37.26	37.41	37.56	37.71
Short Circuit Current (Isc/A)	13.70	13.79	13.89	13.98	14.09
Voltage at Maximum Power (Vmp/V)	31.15	31.30	31.45	31.60	31.75
Current at Maximum Power (Imp/A)	13.01	13.10	13.20	13.30	13.39
Module Efficiency (%)	20.74	21.00	21.25	21.51	21.76
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)	304	308	312	316	320
Open Circuit Voltage (Voc/V)	34.12	34.27	34.42	34.57	34.72
Short Circuit Current (Isc/A)	11.18	11.27	11.35	11.43	11.52
Voltage at Maximum Power (Vmp/V)	28.34	28.49	28.64	28.79	28.94
Current at Maximum Power (Imp/A)	10.73	10.82	10.90	10.98	11.06

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	1722×1134×30mm
Weight	22.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
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

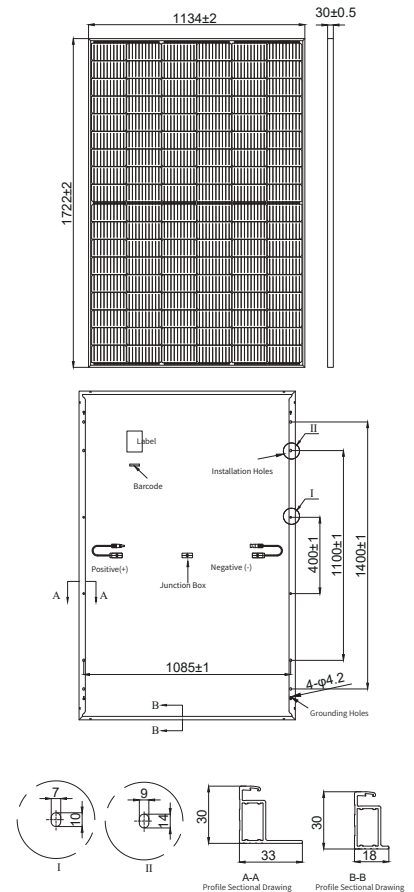
## Temperature Coefficients

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	936pcs	36pcs+36pcs

## Module Dimensions (mm)



## I-V Curve

