

# Haitai TaiJi2.0 (182)

## HTM405~425MH5-54NT TOPCon Monofacial high efficiency PV module

**21.76%**

Module Efficiency 21.76%

### PRODUCT FEATURES



#### Hi Power Output

N-type MBB half cut technology, improve energy density, bring higher power output.



#### High Durability

Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability



#### Better Low Light Performance

Higher power generation compare with standard module in cloudy, foggy and low light condition



#### Low Power Degradation

First year power degradation <1.0%, year 2-30 power degradation <0.40% each year



#### Low Temperature coefficient

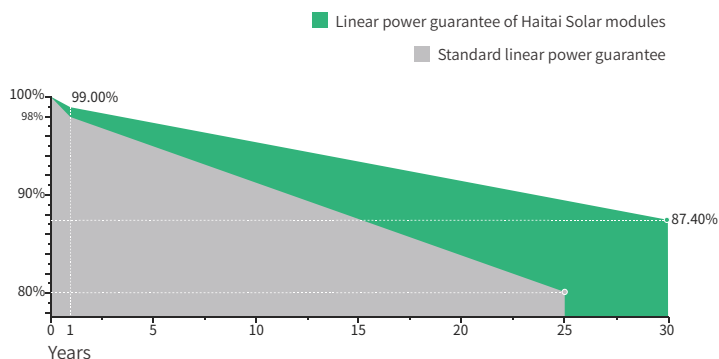
Passivated contact cell technology for higher power generation in operating



#### Better Anti-PID

N-type cells with boron-oxide-free composite LID to increase module power generation

### LINEAR PERFORMANCE WARRANTY



12 years product warranty



30 years linear power warranty



Linear attenuation of 0.40% per year within 30 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)	37.75	37.9	38.05	38.2	38.35
Short Circuit Current (Isc/A)	13.41	13.52	13.63	13.74	13.85
Voltage at Maximum Power (Vmp/V)	31.20	31.35	31.5	31.65	31.8
Current at Maximum Power (Imp/A)	12.99	13.08	13.18	13.28	13.37
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)	35.82	35.97	36.12	36.27	36.42
Short Circuit Current (Isc/A)	10.96	11.06	11.15	11.25	11.34
Voltage at Maximum Power (Vmp/V)	29.35	29.5	29.65	29.8	29.95
Current at Maximum Power (Imp/A)	10.37	10.45	10.53	10.61	10.69

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	21.0kg
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: 200 mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

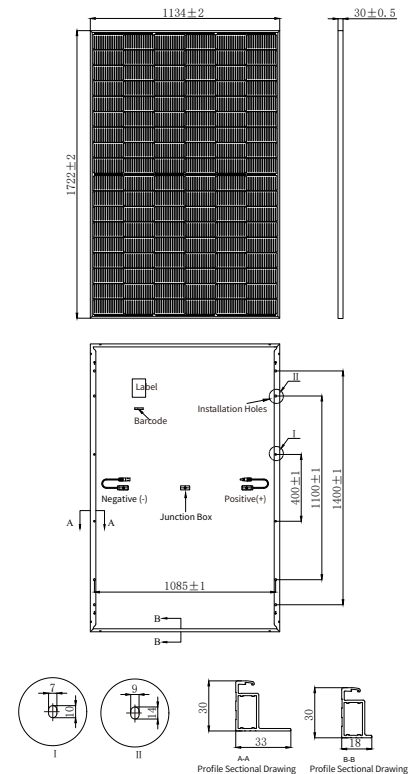
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.300%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°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

