

# Haitai Tai Ji 2.0 (182)

## HTM570~590MH5-72NT TOPCon Monofacial high efficiency PV module

**22.84%**

Module Efficiency 22.84%

### PRODUCT FEATURES



#### High 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

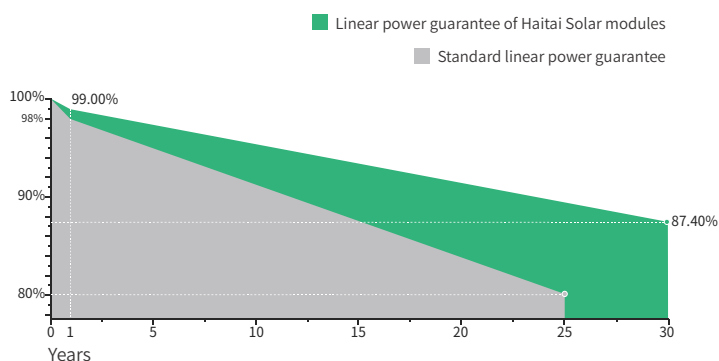
Passivated contact cell technology for higher power generation in operating



#### 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



0.40% 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)	570	575	580	585	590
Open Circuit Voltage (Voc/V)	51.18	51.33	51.48	51.57	51.66
Short Circuit Current (Isc/A)	13.92	14.00	14.08	14.18	14.28
Voltage at Maximum Power (Vmp/V)	42.45	42.60	42.75	42.84	42.93
Current at Maximum Power (Imp/A)	13.43	13.50	13.57	13.66	13.75
Module Efficiency (%)	22.07	22.26	22.45	22.65	22.84
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)	430	434	438	441	445
Open Circuit Voltage (Voc/V)	48.61	48.76	48.91	48.99	49.08
Short Circuit Current (Isc/A)	11.4	11.47	11.54	11.62	11.71
Voltage at Maximum Power (Vmp/V)	39.98	40.13	40.28	40.37	40.46
Current at Maximum Power (Imp/A)	10.76	10.82	10.88	10.93	11.01
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	144(6×24)
Module Dimensions	2278×1134×30mm
Weight	28.0kg
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

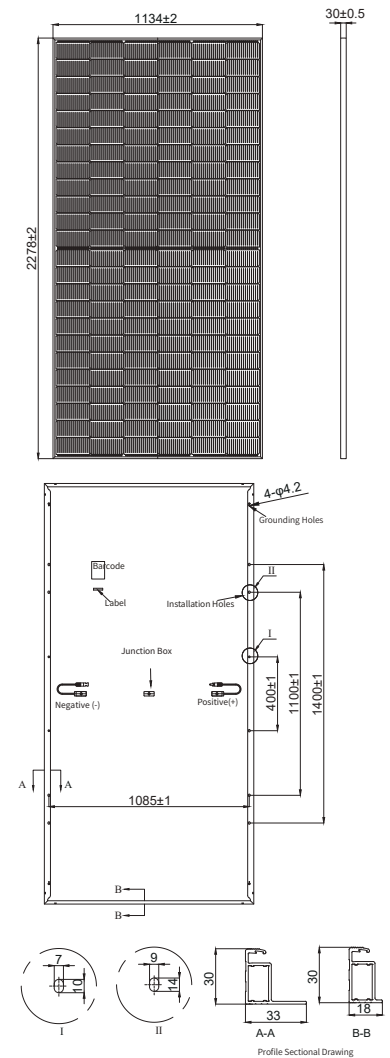
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.300%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.046%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

## Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	720pcs	36pcs +36pcs

## Module Dimensions (mm)



## I-V Curve

