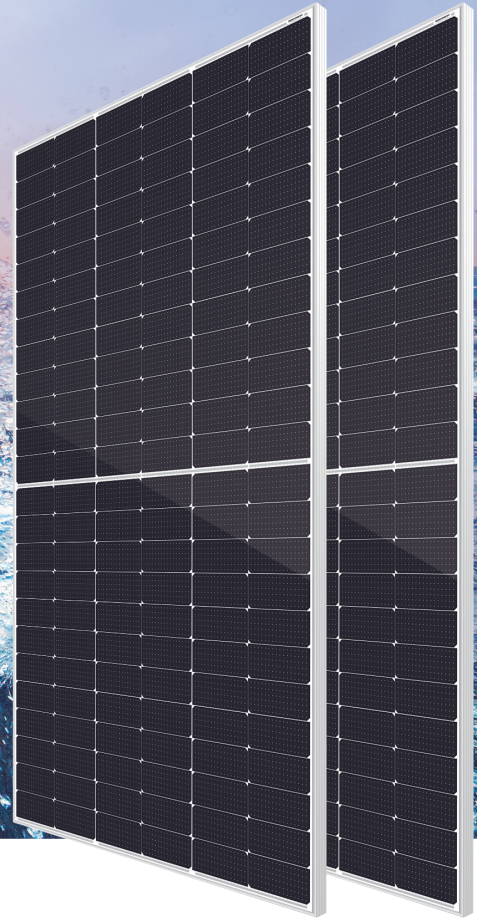


# Haitai Tai Ji 2.0 (182)

## HTM585~605MH5-72NT

TOPCon Monofacial high efficiency PV module

**23.42%**  
Module Efficiency 23.42%



### 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

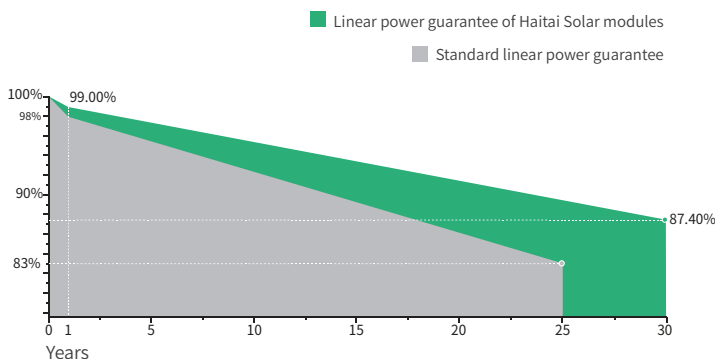
Passivated contact cell technology for higher power generation in operating



#### Better Anti-LID

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
- IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System



LinkedIn/Facebook  
Haitai Solar



Tel  
400 0835 985



Website  
www.haitai-solar.com



E-mail  
ht@htsolargroup.com

## Electrical Data (STC)

Maximum Power (Pmax/W)	585	590	595	600	605
Open Circuit Voltage (Voc/V)	52.34	52.49	52.64	52.79	52.94
Short Circuit Current (Isc/A)	13.97	14.05	14.13	14.21	14.29
Voltage at Maximum Power (Vmp/V)	44.06	44.21	44.36	44.51	44.66
Current at Maximum Power (Imp/A)	13.28	13.35	13.42	13.49	13.55
Module Efficiency (%)	22.65	22.84	23.03	23.23	23.42
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)	441	445	449	453	457
Open Circuit Voltage (Voc/V)	49.72	49.81	49.90	49.99	50.08
Short Circuit Current (Isc/A)	11.45	11.53	11.61	11.69	11.78
Voltage at Maximum Power (Vmp/V)	40.92	41.01	41.10	41.19	41.28
Current at Maximum Power (Imp/A)	10.78	10.86	10.93	11.00	11.08
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

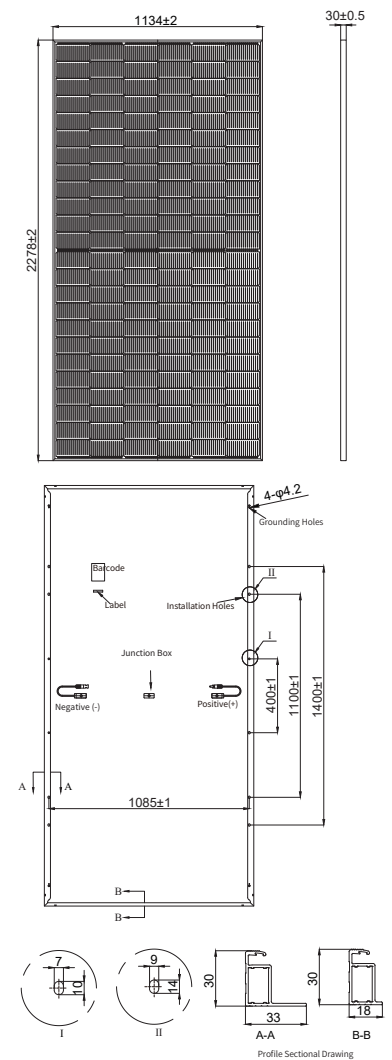
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.290%/°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	720pcs	36pcs +36pcs

## Module Dimensions (mm)



## I-V Curve

