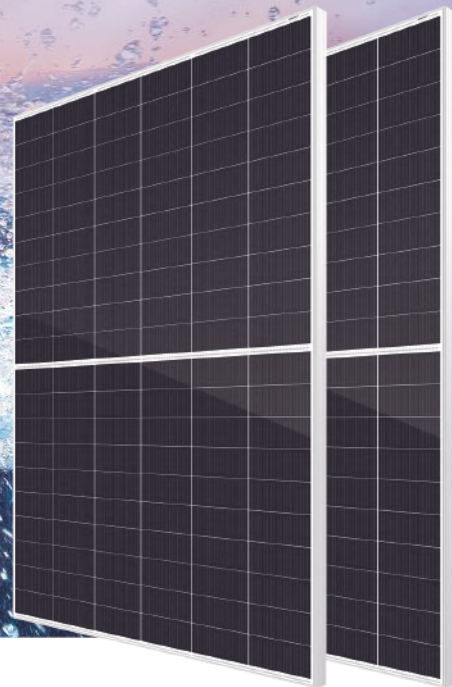


# Haitai TaiJi 2.0 (182)

## HTM625~645MH8-60NT TOPCon Monofacial high efficiency PV module

**22.79%**

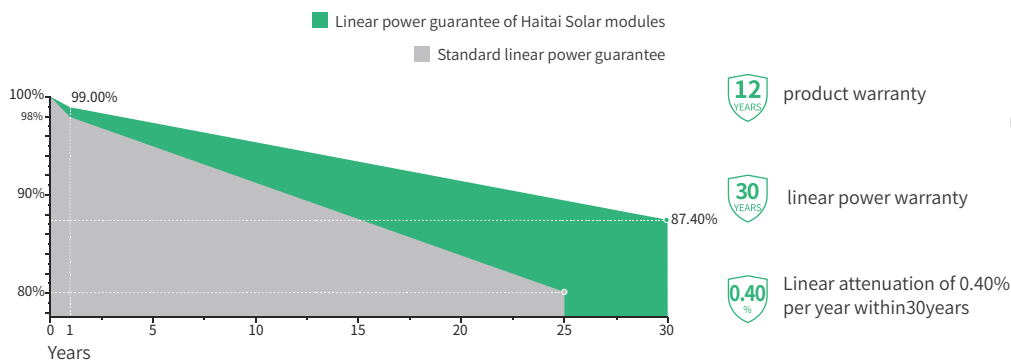
Module Efficiency 22.79%



### 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



### 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)	625	630	635	640	645
Open Circuit Voltage (Voc/V)	42.3	42.45	42.6	42.75	42.9
Short Circuit Current (Isc/A)	18.66	18.74	18.82	18.9	18.98
Voltage at Maximum Power (Vmp/V)	35.02	35.17	35.32	35.47	35.62
Current at Maximum Power (Imp/A)	17.85	17.92	17.98	18.05	18.11
Module Efficiency (%)	22.08	22.26	22.44	22.61	22.79
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)	470	474	478	482	486
Open Circuit Voltage (Voc/V)	39.74	39.89	40.04	40.19	40.34
Short Circuit Current (Isc/A)	15.18	15.25	15.32	15.39	15.46
Voltage at Maximum Power (Vmp/V)	32.74	32.89	33.04	33.19	33.34
Current at Maximum Power (Imp/A)	14.36	14.42	14.47	14.53	14.58
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	210×105mm Mono
Cell Orientation	120(6×20)
Module Dimensions	2172×1303×35mm
Weight	31.0kg
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: 250 mm negative pole: 300 mm wire length can be customized
Connector	MC4 compatible connector

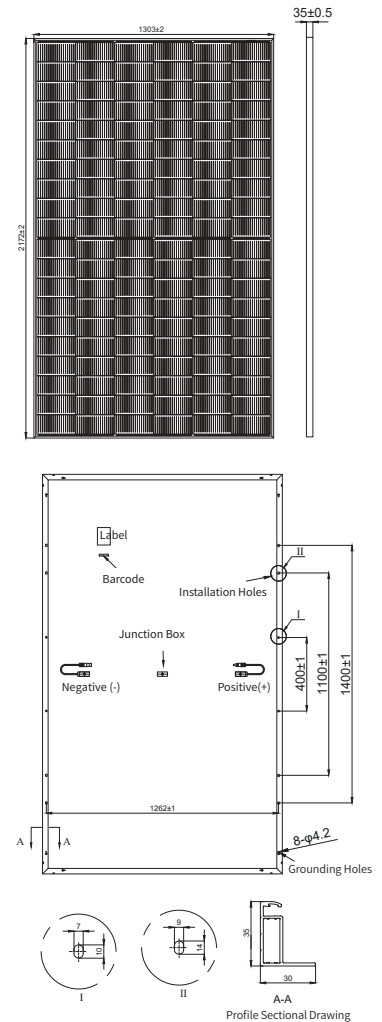
## Temperature Coefficients

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	527 pcs	31pcs

## Module Dimensions (mm)



## I-V Curve

