

# Haitai TaiJi 166

## HTM440~460MH3-72

Monofacial high efficiency mono PV module

**21.16%**

Module Efficiency 21.16%

### PRODUCT FEATURES



#### High efficiency

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



#### Highly reliable

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



#### High yield

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 hot-spot risk

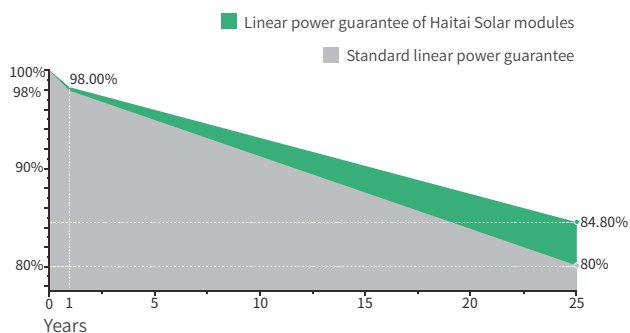
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



#### Low micro crack risk

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: 2005 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)	440	445	450	455	460
Open Circuit Voltage (Voc/V)	49.08	49.28	49.48	49.68	49.88
Short Circuit Current (Isc/A)	11.39	11.46	11.53	11.59	11.67
Voltage at Maximum Power (Vmp/V)	40.54	40.74	40.94	41.14	41.34
Current at Maximum Power (Imp/A)	10.86	10.93	11.00	11.07	11.13
Module Efficiency (%)	20.24	20.47	20.7	20.93	21.16
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)	328	332	336	340	344
Open Circuit Voltage (Voc/V)	45.01	45.21	45.41	45.61	45.81
Short Circuit Current (Isc/A)	9.46	9.54	9.61	9.67	9.74
Voltage at Maximum Power (Vmp/V)	37.34	37.54	37.74	37.94	38.14
Current at Maximum Power (Imp/A)	8.79	8.85	8.91	8.97	9.02

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	166×83mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2094×1038×35mm
Weight	24.0kg
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

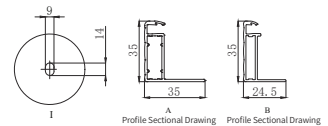
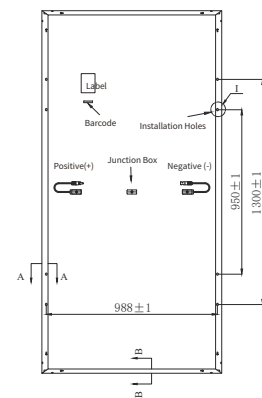
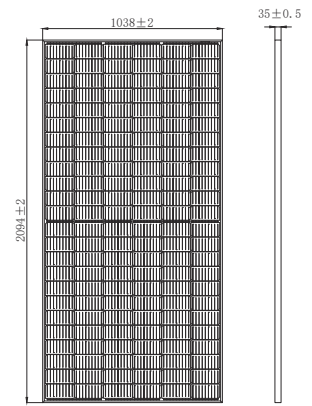
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.350%/°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	682pcs	31pcs+31pcs

## Module Dimensions (mm)



## I-V Curve

