

# Haitai TaiHe 166

## HTM360~380DMH3-60

Bifacial high efficiency mono PV module

20.86%

Module Efficiency 20.86%

### PRODUCT FEATURES



#### High efficiency

Power can be generated on both sides to support additional output gains of up to 25%.

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

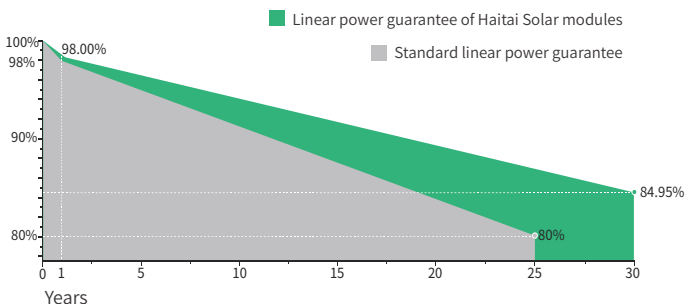
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hot-spot resistance.



#### 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



30 YEARS linear power warranty



0.45% 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)	360	365	370	375	380
Open Circuit Voltage (Voc/V)	40.60	40.80	41.00	41.20	41.40
Short Circuit Current (Isc/A)	11.30	11.37	11.45	11.54	11.60
Voltage at Maximum Power (Vmp/V)	33.52	33.72	33.92	34.12	34.32
Current at Maximum Power (Imp/A)	10.75	10.83	10.92	11.00	11.08
Module Efficiency (%)	19.76	20.04	20.31	20.59	20.86
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)	267	271	275	279	283
Open Circuit Voltage (Voc/V)	37.29	37.49	37.69	37.89	38.09
Short Circuit Current (Isc/A)	9.36	9.44	9.51	9.59	9.65
Voltage at Maximum Power (Vmp/V)	30.74	30.94	31.14	31.34	31.54
Current at Maximum Power (Imp/A)	8.70	8.77	8.84	8.91	8.98
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m <sup>2</sup> , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

## Bifacial Power Generation Parameters (backside gains)

5%	Maximum Power (Pmax/W)	378	383	389	394	399
	Module Efficiency (%)	20.75	21.04	21.33	21.61	21.90
15%	Maximum Power (Pmax/W)	414	420	426	431	437
	Module Efficiency (%)	22.73	23.04	23.36	23.67	23.99
25%	Maximum Power (Pmax/W)	450	456	463	469	475
	Module Efficiency (%)	24.70	25.05	25.39	25.73	26.07

## Mechanical Data

Cell Type	166×83mm Mono
Cell Orientation	120(6×20)
Module Dimensions	1755×1038×30mm
Weight	24.0kg
Glass	2.0mm high transmittance, reinforced glass
Backsheet	2.0mm part of the structure is grid-like white ceramic glass
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

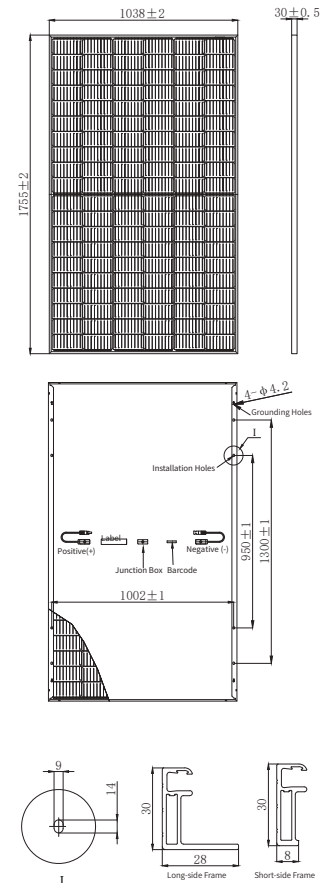
## Temperature Coefficients

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	840pcs	35pcs+35pcs

## Module Dimensions (mm)



## I-V Curve

