

# Haitai TaiHe2.0 182

## HTM615~635DMH5-78NT

TOPCon Bifacial high efficiency PV module



### PRODUCT FEATURES



#### High Power Output

N-type MBB half cut technology, improve energy density, bring higher power output.  
High Bifacial Factor, up to 25% extra power generation



#### Low Power Degradation

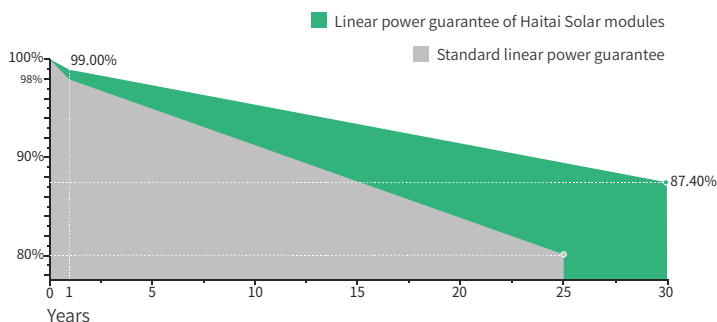
First year power degradation <1.0%, year 2-30 power degradation <0.40% each year



#### Better Low Light Performance

Higher power generation compare with standard module in cloudy, foggy and low light condition

### LINEAR PERFORMANCE WARRANTY



product warranty



linear power warranty



Linear attenuation of 0.40% per year within 30 years

### CERTIFICATES

· IEC 61215, IEC 61730



## Electrical Data (STC)

Maximum Power (Pmax/W)	615	620	625	630	635
Open Circuit Voltage (Voc/V)	55.31	55.46	55.61	55.76	55.91
Short Circuit Current (Isc/A)	13.9	13.98	14.05	14.13	14.2
Voltage at Maximum Power (Vmp/V)	45.78	45.93	46.08	46.23	46.38
Current at Maximum Power (Imp/A)	13.44	13.51	13.57	13.63	13.7
Module Efficiency (%)	22.00	22.18	22.36	22.54	22.72
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)	462	466	470	474	478
Open Circuit Voltage (Voc/V)	52.58	52.73	52.88	53.03	53.18
Short Circuit Current (Isc/A)	11.34	11.41	11.47	11.54	11.6
Voltage at Maximum Power (Vmp/V)	43.03	43.18	43.33	43.48	43.63
Current at Maximum Power (Imp/A)	10.74	10.8	10.85	10.91	10.96
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)	646	651	656	662	667
	Module Efficiency (%)	23.10	23.29	23.48	23.66	23.85
15%	Maximum Power (Pmax/W)	707	713	719	725	730
	Module Efficiency (%)	25.30	25.51	25.71	25.92	26.12
25%	Maximum Power (Pmax/W)	769	775	781	788	794
	Module Efficiency (%)	27.50	27.73	27.95	28.17	28.40

## Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	156(6×26)
Module Dimensions	2465×1134×30mm
Weight	34.5kg
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: 200 mm negative pole: 250 mm wire length can be customized
Connector	Stäubli Electrical: Type PV-KST4-EVO2/XY-UR; PV-KBT4-EVO2/XY-UR Jiangsu Holysun: Type C1or C2 Jiangsu TianSheng: Type TS01 or TS02
Maximum Series Fuse Rating	25A
Fire Safety Class	Class C

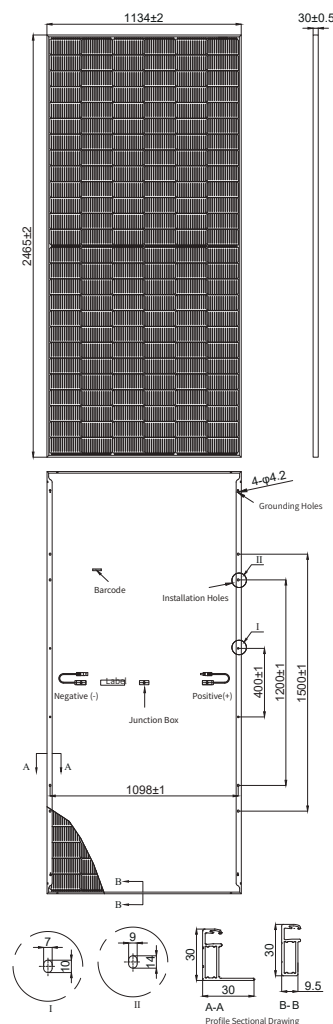
## Temperature Coefficients

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	576pcs	36pcs +36pcs

## Module Dimensions (mm)



## I-V Curve

