




Haitai TaiHe2.0 (210)




HTM675~700DMH8-66NT TOPCon Bifacial high efficiency PV module

22.53%

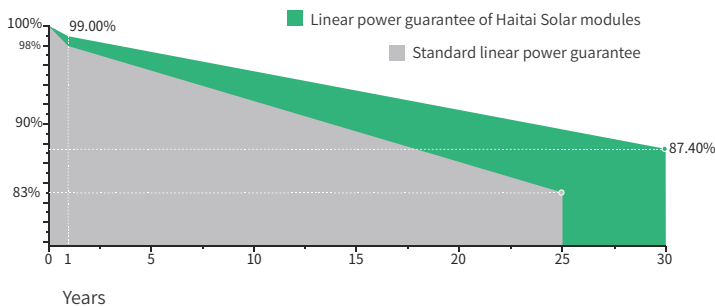
Module Efficiency 22.53%

PRODUCT FEATURES

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Hi Power Output
 N-type MBB half cut technology, improve energy density, bring higher power output.
 High Bifacial Factor, up to 25% extra power generation
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High Durability
 Passed TUV Salt & Ammonia corrosion test, and 2400Pa wind load, 5400Pa snow load test, higher reliability
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Better Low Light Performance
 Higher power generation compare with standard module in cloudy, foggy and low light condition

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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

- 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)	675	680	685	690	695	700
Open Circuit Voltage (Voc/V)	46.11	46.26	46.41	46.56	46.71	46.86
Short Circuit Current (Isc/A)	18.48	18.56	18.64	18.71	18.79	18.86
Voltage at Maximum Power (Vmp/V)	38.10	38.25	38.40	38.55	38.7	38.85
Current at Maximum Power (Imp/A)	17.72	17.78	17.84	17.90	17.96	18.02
Module Efficiency (%)	21.73	21.89	22.05	22.21	22.37	22.53
Operating Temperature	-40° C~+85° C					
Maximum System Voltage	1000/1500V					
Refer.Bifacial Factor	72±5%					

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Electrical Data (NMOT)

Maximum Power (Pmax/W)	506	510	514	518	522	526
Open Circuit Voltage (Voc/V)	43.30	43.45	43.60	43.75	43.9	44.05
Short Circuit Current (Isc/A)	15.00	15.07	15.13	15.20	15.26	15.33
Voltage at Maximum Power (Vmp/V)	35.59	35.74	35.89	36.04	36.19	36.34
Current at Maximum Power (Imp/A)	14.22	14.27	14.33	14.38	14.43	14.48

NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

Bifacial Power Generation Parameters (backside gains)

5%	Maximum Power (Pmax/W)	709	714	719	725	730	735
	Module Efficiency (%)	22.82	22.99	23.15	23.32	23.49	23.66
15%	Maximum Power (Pmax/W)	776	782	788	794	799	805
	Module Efficiency (%)	24.99	25.17	25.36	25.54	25.73	25.91
25%	Maximum Power (Pmax/W)	844	850	856	863	869	875
	Module Efficiency (%)	27.16	27.36	27.56	27.77	27.97	28.17

Mechanical Data

Cell Type	210×105mm Mono
Cell Orientation	132(6×22)
Module Dimensions	2384×1303×35mm
Weight	39.0kg
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 ² positive pole: 250mm negative pole: 300 mm wire length can be customized
Connector	MC4 compatible connector

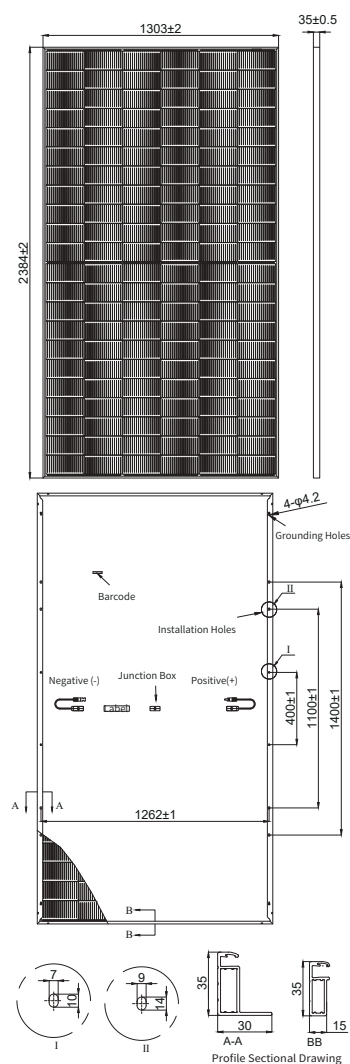
Temperature Coefficients

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	31 pcs

Module Dimensions (mm)



I-V Curve

