Haitai TaiHe2.0 210

HTM700~720DMH8-66NT

TOPCon Bifacial high efficiency PV module

23.18%

Module Efficiency

PRODUCT FEATURES

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

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

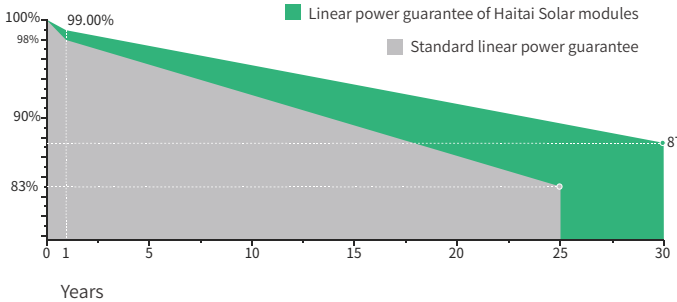
Low Temperature coefficient

Passivated contact cell technology for higher power generation in operating

Better Anti-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 9001：2015 Quality Management System

·ISO 14001：2015 Environment Management System

·ISO 45001：2018 Occupational health and safety management systems

·IEC62941:2019 Photovoltaic Module Manufacturer Quality Management System

Electrical Data (STC)

Maximum Power (Pmax/W)	700	705	710	715	720
Open Circuit Voltage (Voc/V)	46.86	47.01	47.16	47.31	47.46
Short Circuit Current (Isc/A)	18.86	18.94	19.01	19.08	19.15
Voltage at Maximum Power (Vmp/V)	38.85	39	39.15	39.3	39.45
Current at Maximum Power (Imp/A)	18.02	18.08	18.14	18.2	18.26
Module Efficiency (%)	22.53	22.70	22.86	23.02	23.18
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25℃ , AM1.5

Electrical Data (NMOT)

Maximum Power (Pmax/W)	526	530	534	538	542
Open Circuit Voltage (Voc/V)	44.05	44.2	44.35	44.5	44.65
Short Circuit Current (Isc/A)	15.33	15.39	15.46	15.52	15.58
Voltage at Maximum Power (Vmp/V)	36.34	36.49	36.64	36.79	36.94
Current at Maximum Power (Imp/A)	14.48	14.53	14.58	14.63	14.68

NMOT (Nominal Moudule Operating Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , AM1.5, Wind Speed 1m/s.

Bifacial Power Generation Parameters (backside gains)

5%	Maximum Power (Pmax/W)	735	740	746	751	756
	Module Efficiency (%)	23.66	23.83	24.00	24.17	24.34
15%	Maximum Power (Pmax/W)	805	811	817	822	828
	Module Efficiency (%)	25.91	26.10	26.28	26.47	26.66
25%	Maximum Power (Pmax/W)	875	881	888	894	900
	Module Efficiency (%)	28.17	28.37	28.57	28.77	28.97

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

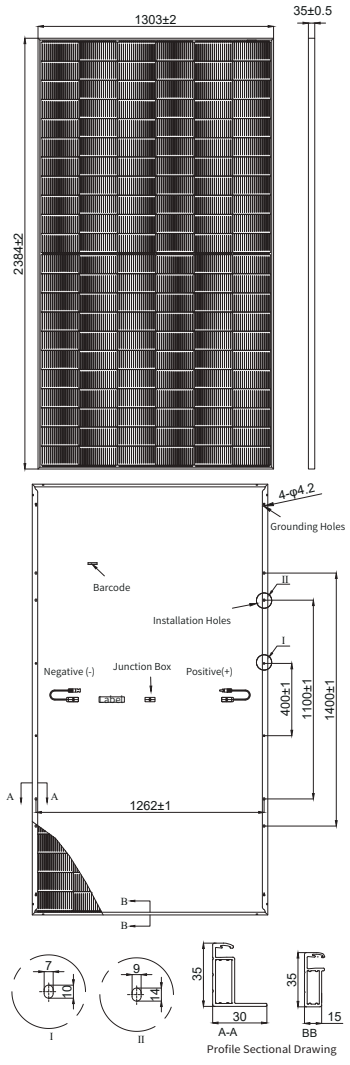
Temperature Coefficients

Temperature Coefficient (Pm)	-0.300%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.046%/°C
NMOT (Nominal Moudule Operating Temperature)	41±3°C

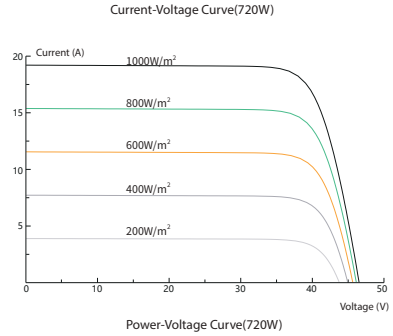
Packaging

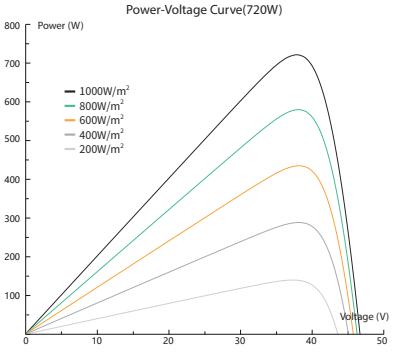
Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	527 pcs	31 pcs

Module Dimensions (mm)



I-V Curve





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