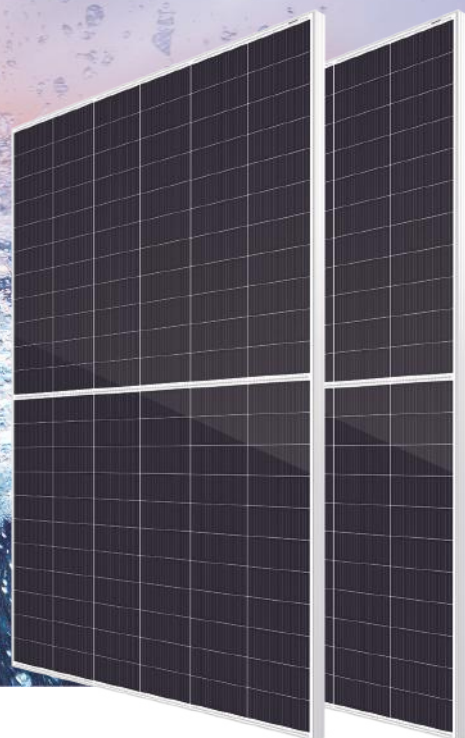


Haitai TaiJi 2.0 (182)







HTM680~700MH8-66NT TOPCon Monofacial high efficiency PV module

22.53%

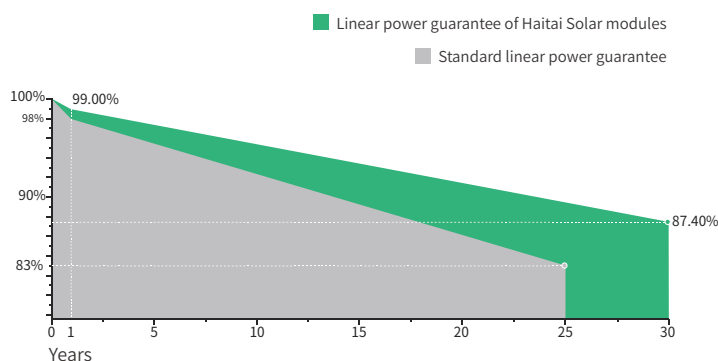
Module Efficiency 22.53%



PRODUCT FEATURES




- 
High Power Output
 N-type MBB half cut technology, improve energy density, bring higher power output.
- 
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



CERTIFICATES

- IEC 61215, IEC 61730
- 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

-  12 YEARS product warranty
-  30 YEARS linear power warranty
-  0.40% Linear attenuation of 0.40% per year within 30 years



Electrical Data (STC)

Maximum Power (Pmax/W)	680	685	690	695	700
Open Circuit Voltage (Voc/V)	46.26	46.41	46.56	46.71	46.86
Short Circuit Current (Isc/A)	18.56	18.64	18.71	18.79	18.86
Voltage at Maximum Power (Vmp/V)	38.25	38.40	38.55	38.7	38.85
Current at Maximum Power (Imp/A)	17.78	17.84	17.90	17.96	18.02
Module Efficiency (%)	21.89	22.05	22.21	22.37	22.53
Operating Temperature	-40° C~+85° C				
Maximum System Voltage	1000/1500V				
STC (Standard Testing Conditions): Irradiance 1000W/m ² , Cell Temperature 25°C, AM1.5					

Electrical Data (NMOT)

Maximum Power (Pmax/W)	510	514	518	522	526
Open Circuit Voltage (Voc/V)	43.45	43.60	43.75	43.9	44.05
Short Circuit Current (Isc/A)	15.07	15.13	15.20	15.26	15.33
Voltage at Maximum Power (Vmp/V)	35.74	35.89	36.04	36.19	36.34
Current at Maximum Power (Imp/A)	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.

Mechanical Data

Cell Type	210×105mm Mono
Cell Orientation	132(6×22)
Module Dimensions	2384×1303×35mm
Weight	34.0kg
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 ² positive pole: 250 mm negative pole: 300 mm wire length can be customized
Connector	MC4 compatible connector

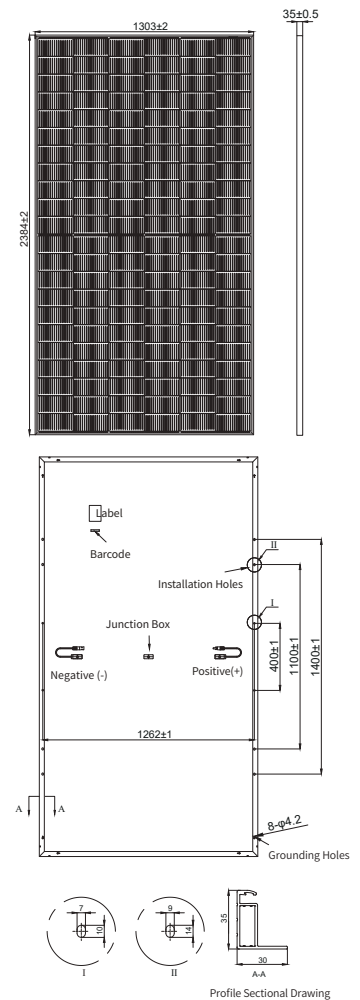
Temperature Coefficients

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	527pcs	31pcs

Module Dimensions (mm)



I-V Curve

