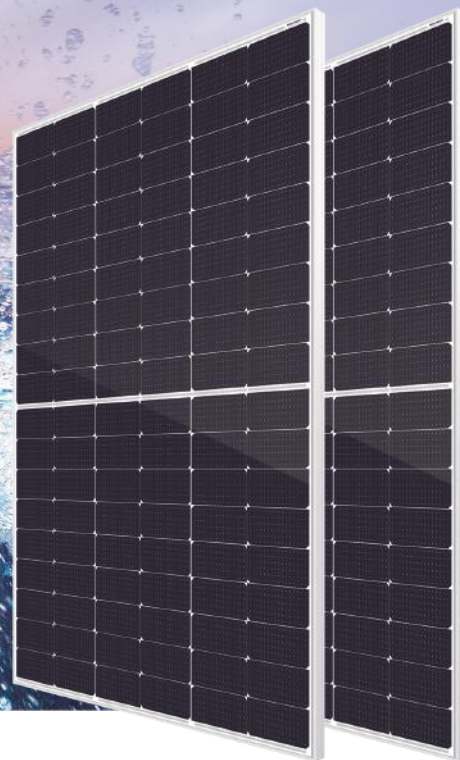


Haitai TaiJi 2.0 182




HTM415~435MH5-54NT TOPCon Monofacial high efficiency PV module




22.28%

Module Efficiency 22.28%

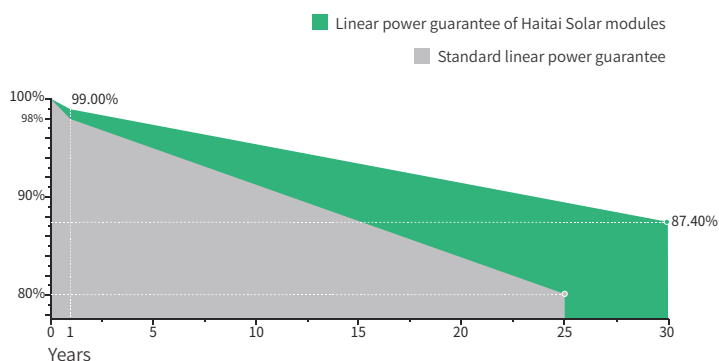





PRODUCT FEATURES

- 
Hi 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-PID
 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

- 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



Electrical Data (STC)

Maximum Power (Pmax/W)	415	420	425	430	435
Open Circuit Voltage (Voc/V)	38.05	38.20	38.35	38.50	38.65
Short Circuit Current (Isc/A)	13.63	13.74	13.85	13.96	14.07
Voltage at Maximum Power (Vmp/V)	31.50	31.65	31.80	31.95	32.10
Current at Maximum Power (Imp/A)	13.18	13.28	13.37	13.46	13.56
Module Efficiency (%)	21.25	21.51	21.76	22.02	22.28
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)	312	316	320	324	328
Open Circuit Voltage (Voc/V)	36.12	36.27	36.42	36.57	36.72
Short Circuit Current (Isc/A)	11.15	11.25	11.34	11.44	11.53
Voltage at Maximum Power (Vmp/V)	29.65	29.80	29.95	30.10	30.25
Current at Maximum Power (Imp/A)	10.53	10.61	10.69	10.77	10.85

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

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	108(6×18)
Module Dimensions	1722×1134×30mm
Weight	21.0kg
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: 200 mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

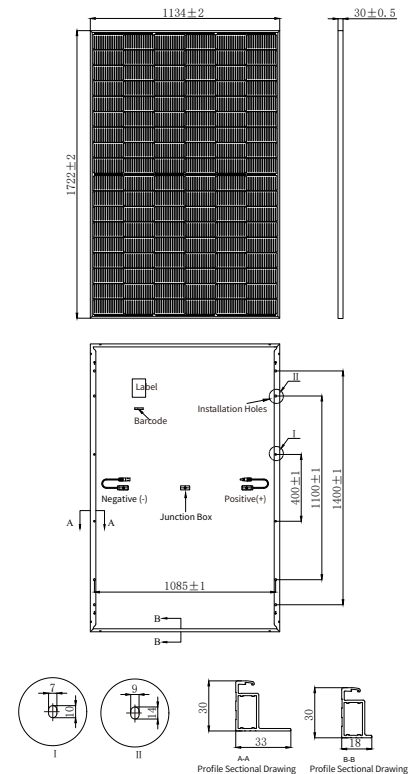
Temperature Coefficients

Temperature Coefficient (Pm)	-0.300%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.045%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	936pcs	36pcs +36pcs

Module Dimensions (mm)



I-V Curve

