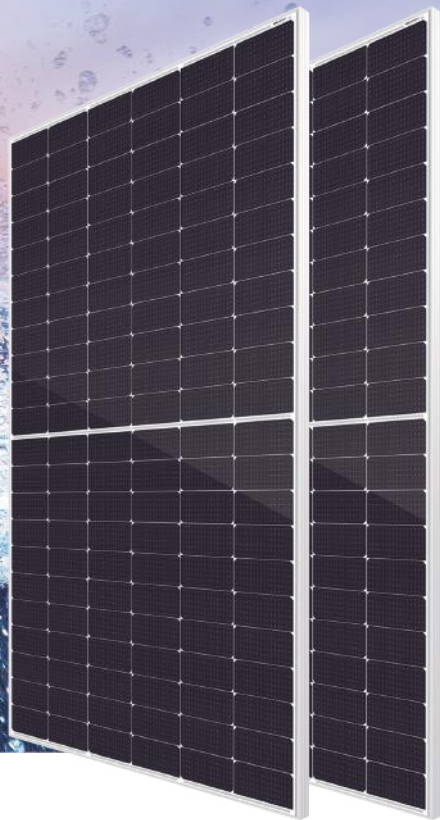


Haitai TaiJi2.0 (182R)







HTM605~625MH6-66NT TOPCon Monofacial high efficiency PV module

23.14%

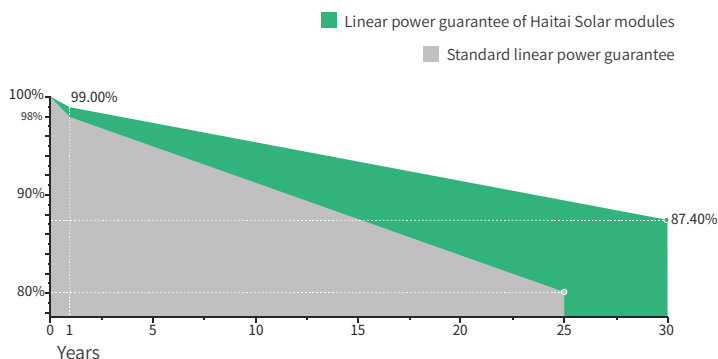
Module Efficiency



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-PID
 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

 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)	605	610	615	620	625
Open Circuit Voltage (Voc/V)	47.92	48.07	48.22	48.37	48.52
Short Circuit Current (Isc/A)	15.78	15.86	15.94	16.02	16.10
Voltage at Maximum Power (Vmp/V)	39.67	39.82	39.97	40.12	40.27
Current at Maximum Power (Imp/A)	15.26	15.32	15.39	15.46	15.53
Module Efficiency (%)	22.40	22.58	22.77	22.95	23.14
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)	455	459	463	467	471
Open Circuit Voltage (Voc/V)	45.49	45.64	45.79	45.94	46.09
Short Circuit Current (Isc/A)	12.91	12.98	13.05	13.12	13.19
Voltage at Maximum Power (Vmp/V)	37.34	37.49	37.64	37.79	37.94
Current at Maximum Power (Imp/A)	12.19	12.25	12.31	12.37	12.42
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	182×105mm Mono
Cell Orientation	132(6×22)
Module Dimensions	2382×1134×30mm
Weight	29.0kg
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

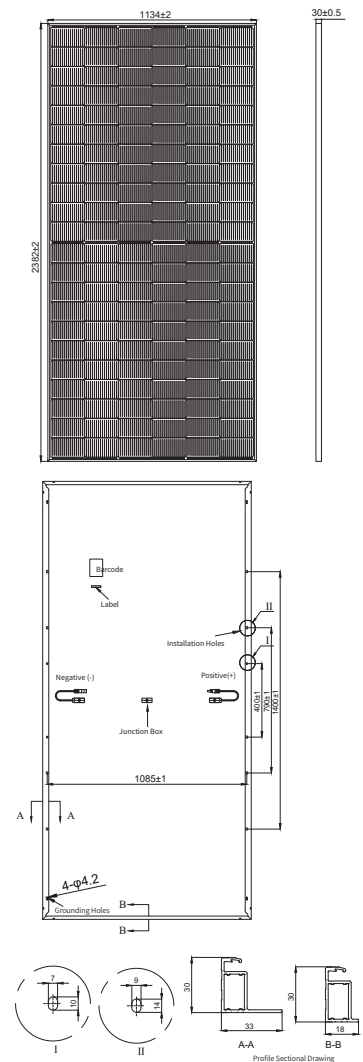
Temperature Coefficients

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

Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	720 pcs	36 pcs +36 pcs

Module Dimensions (mm)



I-V Curve

