

SOLARMOVIL en asociación con HAITAI SOLAR traen a Chile paneles solares de gran calidad, con altos estándares de fabricación reconocidos por la agencia bloomberg como Tier 1, TOP 13 en la industria de fotovoltaicos.



MONOFACIALES



CATÁLOGO DE TECNOLOGÍA FOTOVOLTAICA

PERC - MONOCRISTALINO
- TOPCON - BIFACIALES



www.solar-movil.com

contacto@solar-movil.com



SOLARMOVIL

Haitai TaiJi 166

HTM360~380MH3-60 Monofacial high efficiency mono PV module

20.86%

Module Efficiency 20.86%

PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



High ROI

Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



Low Risk of Hot Spot

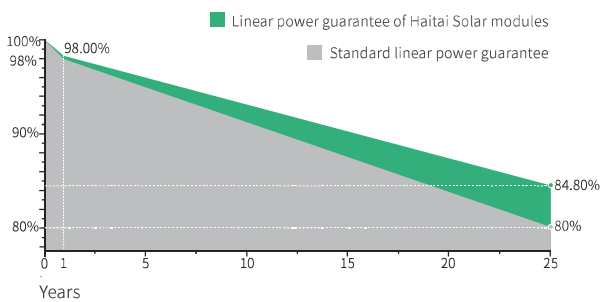
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	360	365	370	375	380
Open Circuit Voltage (Voc/V)	40.60	40.80	41.00	41.20	41.40
Short Circuit Current (Isc/A)	11.30	11.37	11.45	11.54	11.60
Voltage at Maximum Power (Vmp/V)	33.52	33.72	33.92	34.12	34.32
Current at Maximum Power (Imp/A)	10.75	10.83	10.92	11.00	11.08
Module Efficiency (%)	19.76	20.04	20.31	20.59	20.86
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)	267	271	275	279	283
Open Circuit Voltage (Voc/V)	37.29	37.49	37.69	37.89	38.09
Short Circuit Current (Isc/A)	9.36	9.44	9.51	9.59	9.65
Voltage at Maximum Power (Vmp/V)	30.74	30.94	31.14	31.34	31.54
Current at Maximum Power (Imp/A)	8.70	8.77	8.84	8.91	8.98
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	166×83mm Mono
Cell Orientation	120(6×20)
Module Dimensions	1755×1038×35mm
Weight	20.0kg
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

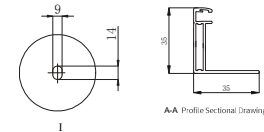
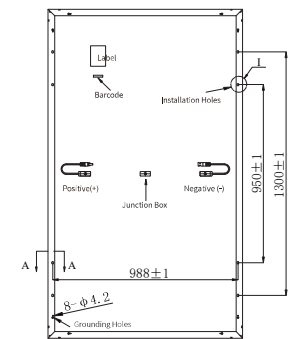
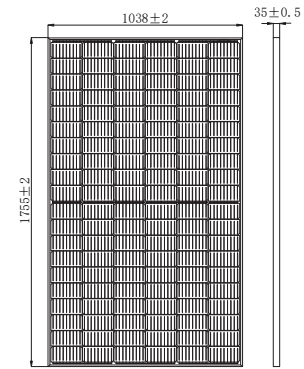
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

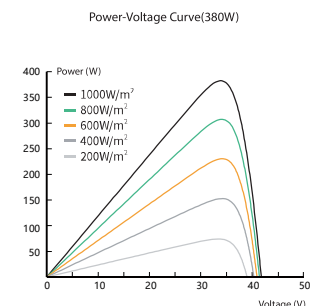
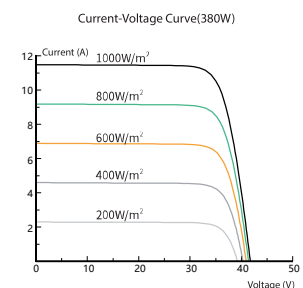
Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	806pcs	31pcs +31pcs

Module Dimensions (mm)



I-V Curve

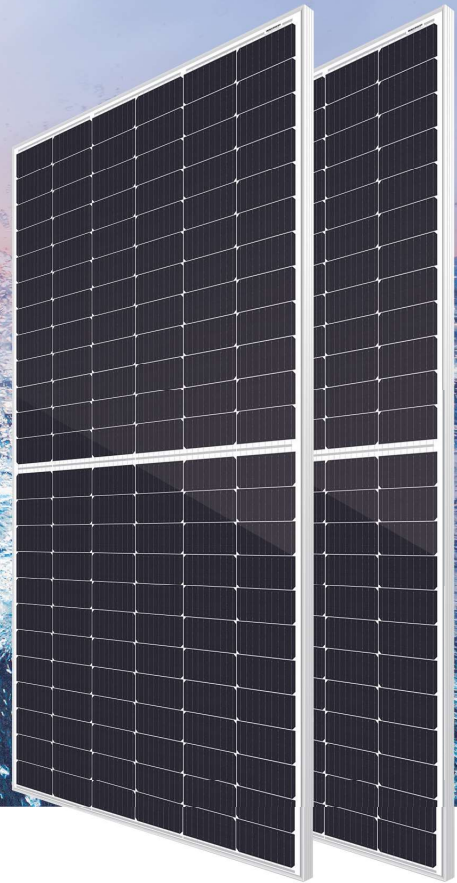


Haitai TaiJi 166

HTM440~460MH3-72

Monofacial high efficiency mono PV module

21.16%
Module Efficiency 21.16%



PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



Low Risk of Hot Spot

The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



High ROI

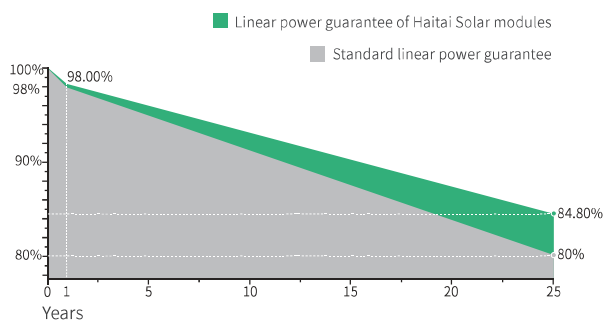
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	440	445	450	455	460
Open Circuit Voltage (Voc/V)	49.08	49.28	49.48	49.68	49.88
Short Circuit Current (Isc/A)	11.39	11.46	11.53	11.59	11.67
Voltage at Maximum Power (Vmp/V)	40.54	40.74	40.94	41.14	41.34
Current at Maximum Power (Imp/A)	10.86	10.93	11.00	11.07	11.13
Module Efficiency (%)	20.24	20.47	20.7	20.93	21.16
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)	328	332	336	340	344
Open Circuit Voltage (Voc/V)	45.01	45.21	45.41	45.61	45.81
Short Circuit Current (Isc/A)	9.46	9.54	9.61	9.67	9.74
Voltage at Maximum Power (Vmp/V)	37.34	37.54	37.74	37.94	38.14
Current at Maximum Power (Imp/A)	8.79	8.85	8.91	8.97	9.02
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	166×83mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2094×1038×35mm
Weight	23.5kg
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: 200mm negative pole: 250 mm wire length can be customized
Connector	MC4 compatible connector

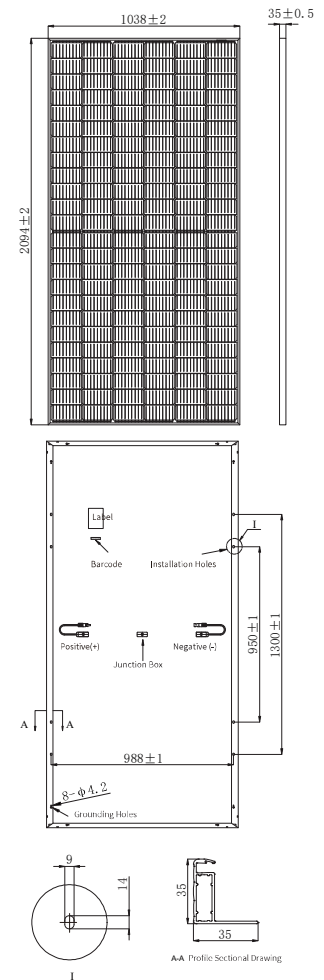
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

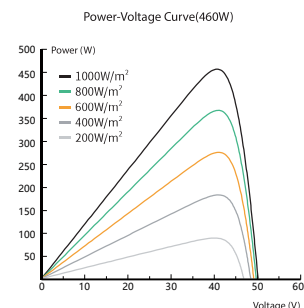
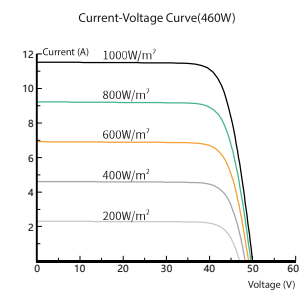
Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	682pcs	31pcs +31pcs

Module Dimensions (mm)



I-V Curve



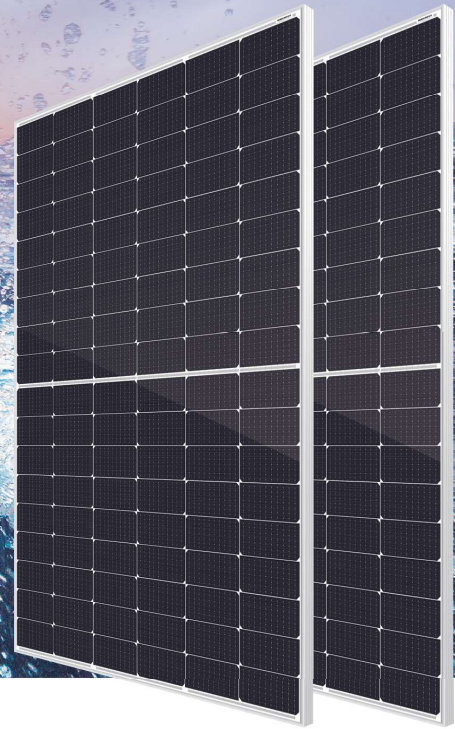
Haitai TaiJi 182

HTM400~420MH5-54

Monofacial high efficiency mono PV module

21.51%

Module Efficiency 21.51%



PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



Low Risk of Hot Spot

The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



High ROI

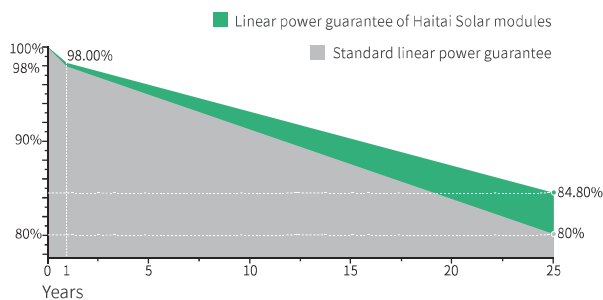
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	400	405	410	415	420
Open Circuit Voltage (Voc/V)	36.96	37.11	37.26	37.41	37.56
Short Circuit Current (Isc/A)	13.60	13.70	13.79	13.89	13.98
Voltage at Maximum Power (Vmp/V)	31.00	31.15	31.30	31.45	31.60
Current at Maximum Power (Imp/A)	12.91	13.01	13.10	13.20	13.30
Module Efficiency (%)	20.48	20.74	21.00	21.25	21.51
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)	300	304	308	312	316
Open Circuit Voltage (Voc/V)	33.97	34.12	34.27	34.42	34.57
Short Circuit Current (Isc/A)	11.10	11.18	11.27	11.35	11.43
Voltage at Maximum Power (Vmp/V)	28.19	28.34	28.49	28.64	28.79
Current at Maximum Power (Imp/A)	10.65	10.73	10.82	10.90	10.98
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , 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

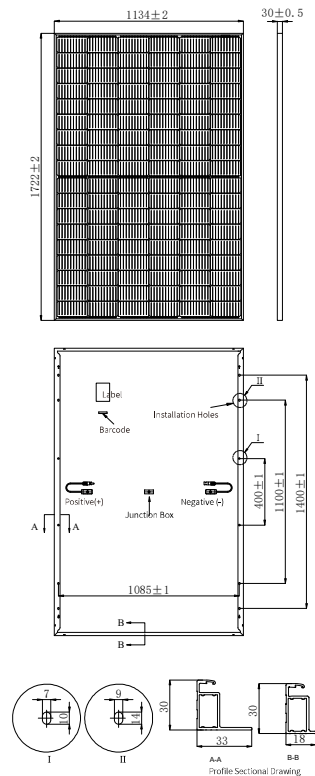
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

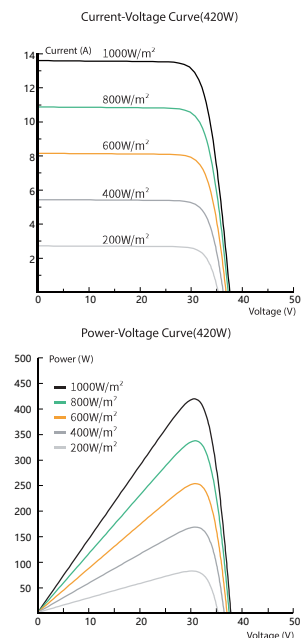
Packaging

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

Module Dimensions (mm)



I-V Curve

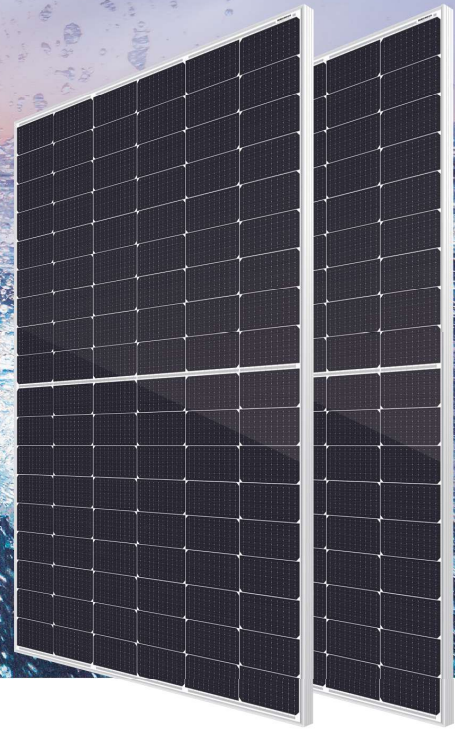


Haitai TaiJi 182

HTM400~420MH5-54

Monofacial high efficiency mono PV module

21.51%
Module Efficiency 21.51%



PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



Low Risk of Hot Spot

The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



High ROI

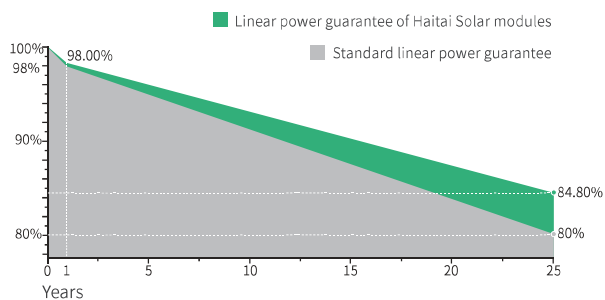
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	400	405	410	415	420
Open Circuit Voltage (Voc/V)	36.96	37.11	37.26	37.41	37.56
Short Circuit Current (Isc/A)	13.60	13.70	13.79	13.89	13.98
Voltage at Maximum Power (Vmp/V)	31.00	31.15	31.30	31.45	31.60
Current at Maximum Power (Imp/A)	12.91	13.01	13.10	13.20	13.30
Module Efficiency (%)	20.48	20.74	21.00	21.25	21.51
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)	300	304	308	312	316
Open Circuit Voltage (Voc/V)	33.97	34.12	34.27	34.42	34.57
Short Circuit Current (Isc/A)	11.10	11.18	11.27	11.35	11.43
Voltage at Maximum Power (Vmp/V)	28.19	28.34	28.49	28.64	28.79
Current at Maximum Power (Imp/A)	10.65	10.73	10.82	10.90	10.98
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	108(6×18)
Module Dimensions	1722×1134×35mm
Weight	22.0kg
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

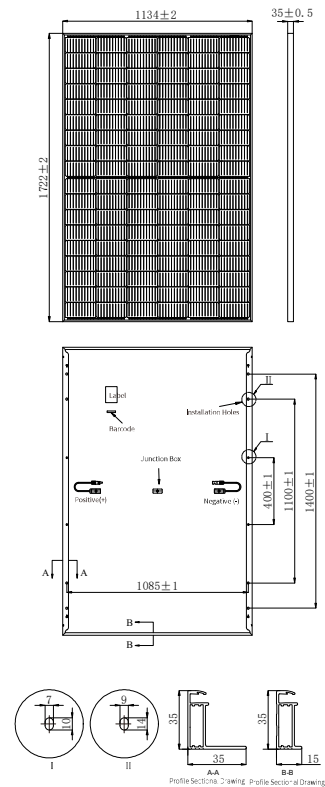
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

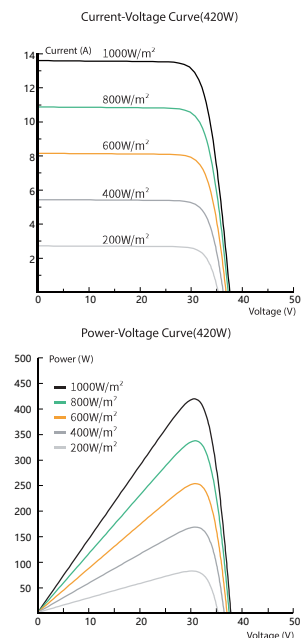
Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	806pcs	31pcs +31pcs

Module Dimensions (mm)



I-V Curve



Haitai TaiJi 182

HTM535~555MH5-72

Monofacial high efficiency mono PV module

21.48%

Module Efficiency 21.48%

PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



Low Risk of Hot Spot

The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



High ROI

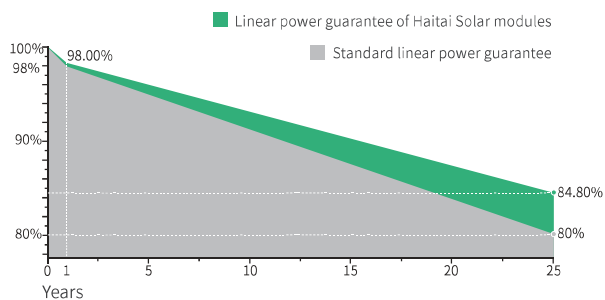
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	535	540	545	550	555
Open Circuit Voltage (Voc/V)	49.38	49.53	49.68	49.83	49.98
Short Circuit Current (Isc/A)	13.54	13.63	13.71	13.80	13.88
Voltage at Maximum Power (Vmp/V)	40.88	41.03	41.18	41.31	41.43
Current at Maximum Power (Imp/A)	13.10	13.17	13.24	13.32	13.40
Module Efficiency (%)	20.71	20.90	21.10	21.29	21.48
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)	400	404	408	412	416
Open Circuit Voltage (Voc/V)	45.41	45.56	45.71	45.85	46.00
Short Circuit Current (Isc/A)	11.29	11.37	11.44	11.53	11.60
Voltage at Maximum Power (Vmp/V)	37.64	37.79	37.94	38.05	38.17
Current at Maximum Power (Imp/A)	10.64	10.70	10.77	10.83	10.90
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2278×1134×30mm
Weight	28.0kg
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

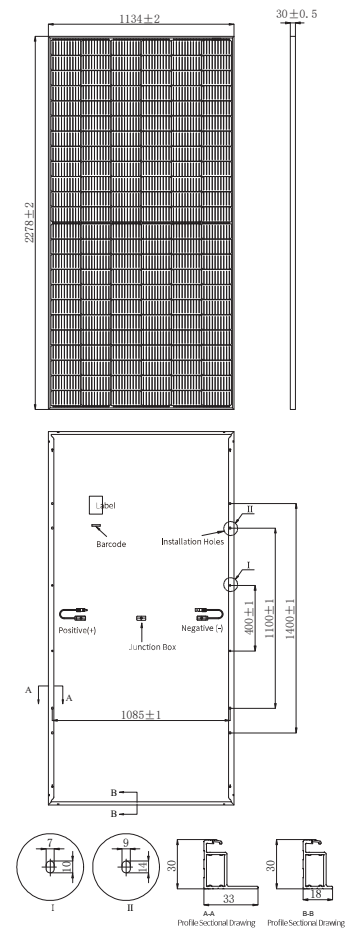
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

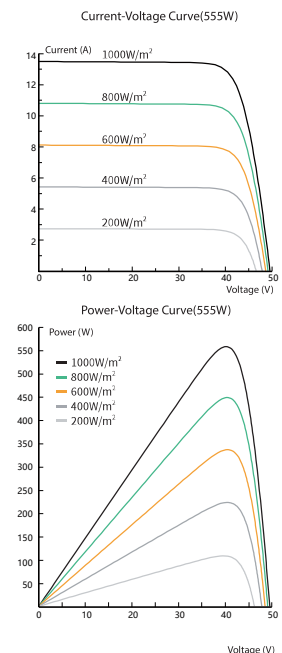
Packaging

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

Module Dimensions (mm)



I-V Curve



Haitai TaiJi 182

HTM535~555MH5-72

Monofacial high efficiency mono PV module

21.48%

Module Efficiency 21.48%

PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



High ROI

Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



Low Risk of Hot Spot

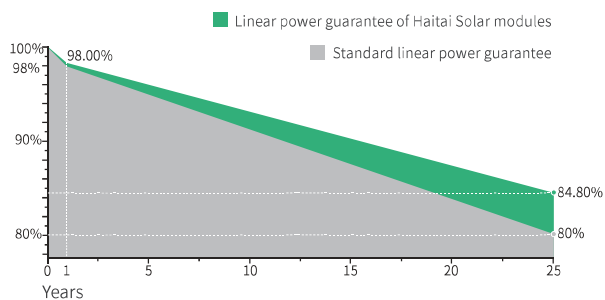
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	535	540	545	550	555
Open Circuit Voltage (Voc/V)	49.38	49.53	49.68	49.83	49.98
Short Circuit Current (Isc/A)	13.54	13.63	13.71	13.80	13.88
Voltage at Maximum Power (Vmp/V)	40.88	41.03	41.18	41.31	41.43
Current at Maximum Power (Imp/A)	13.10	13.17	13.24	13.32	13.40
Module Efficiency (%)	20.71	20.90	21.10	21.29	21.48
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)	400	404	408	412	416
Open Circuit Voltage (Voc/V)	45.41	45.56	45.71	45.85	46.00
Short Circuit Current (Isc/A)	11.29	11.37	11.44	11.53	11.60
Voltage at Maximum Power (Vmp/V)	37.64	37.79	37.94	38.05	38.17
Current at Maximum Power (Imp/A)	10.64	10.70	10.77	10.83	10.90
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2278×1134×30mm
Weight	28.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film(Black)
Frame Material	Anodized aluminum alloy(Black)
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

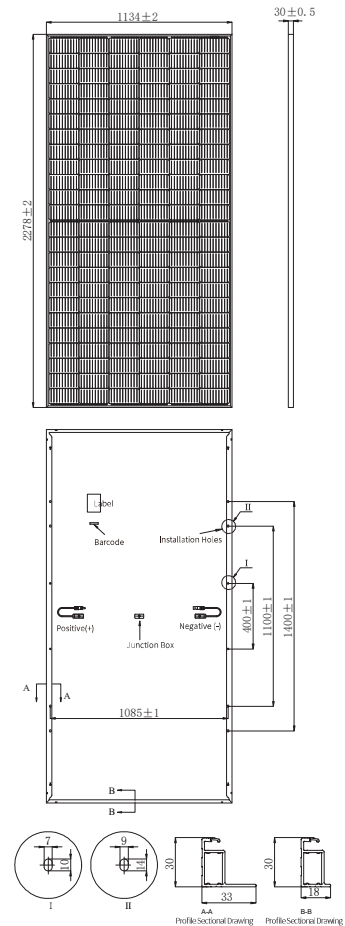
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

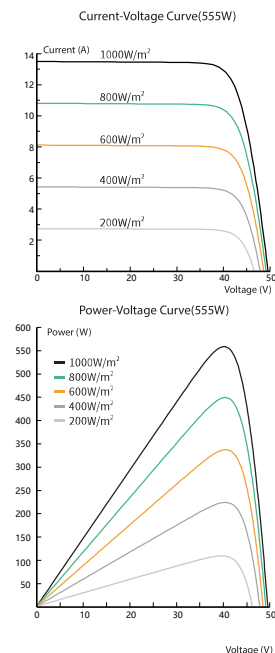
Packaging

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

Module Dimensions (mm)



I-V Curve



Haitai TaiJi 182

HTM535~555MH5-72

Monofacial high efficiency mono PV module

21.48%

Module Efficiency 21.48%

PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



Low Risk of Hot Spot

The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



High ROI

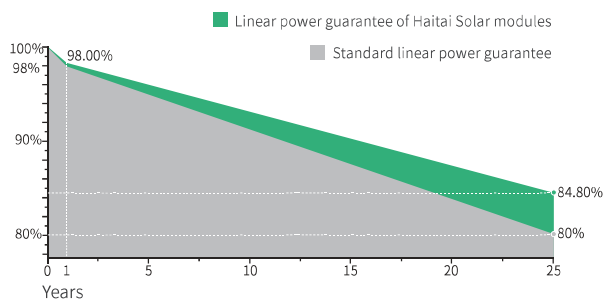
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	535	540	545	550	555
Open Circuit Voltage (Voc/V)	49.38	49.53	49.68	49.83	49.98
Short Circuit Current (Isc/A)	13.54	13.63	13.71	13.80	13.88
Voltage at Maximum Power (Vmp/V)	40.88	41.03	41.18	41.31	41.43
Current at Maximum Power (Imp/A)	13.10	13.17	13.24	13.32	13.40
Module Efficiency (%)	20.71	20.90	21.10	21.29	21.48
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)	400	404	408	412	416
Open Circuit Voltage (Voc/V)	45.41	45.56	45.71	45.85	46.00
Short Circuit Current (Isc/A)	11.29	11.37	11.44	11.53	11.60
Voltage at Maximum Power (Vmp/V)	37.64	37.79	37.94	38.05	38.17
Current at Maximum Power (Imp/A)	10.64	10.70	10.77	10.83	10.90
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.					

Mechanical Data

Cell Type	182×91mm Mono
Cell Orientation	144(6×24)
Module Dimensions	2278×1134×35mm
Weight	28.0kg
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

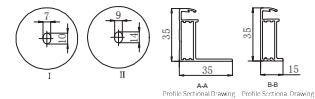
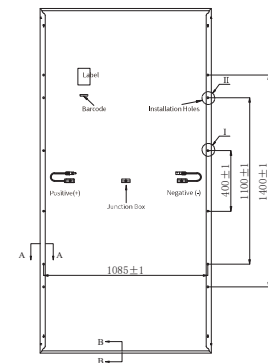
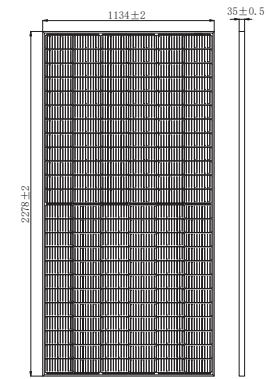
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.270%/°C
Temperature Coefficient (Isc)	0.048%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

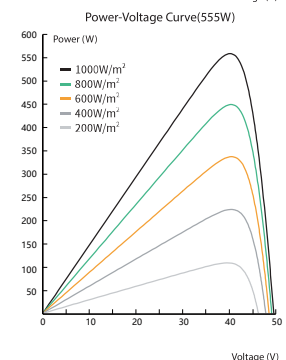
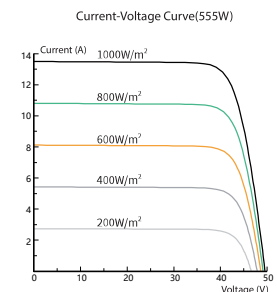
Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	620pcs	31pcs +31pcs

Module Dimensions (mm)



I-V Curve

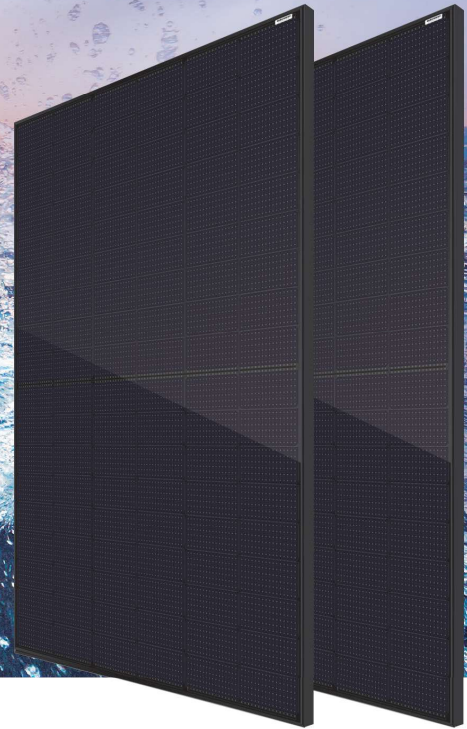


Haitai TaiJi2.0 (182)

HTM405~425MH5-54NT TOPCon Monofacial high efficiency PV module

21.76%

Module Efficiency 21.76%



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

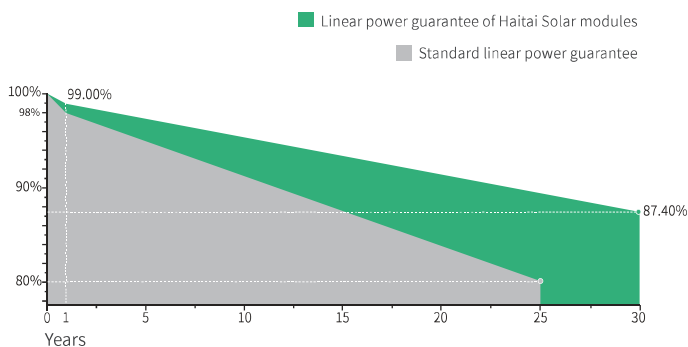
Passivated contact cell technology for higher power generation in operating



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)	405	410	415	420	425
Open Circuit Voltage (Voc/V)	37.75	37.9	38.05	38.2	38.35
Short Circuit Current (Isc/A)	13.41	13.52	13.63	13.74	13.85
Voltage at Maximum Power (Vmp/V)	31.20	31.35	31.5	31.65	31.8
Current at Maximum Power (Imp/A)	12.99	13.08	13.18	13.28	13.37
Module Efficiency (%)	20.74	21.00	21.25	21.51	21.76
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)	304	308	312	316	320
Open Circuit Voltage (Voc/V)	35.82	35.97	36.12	36.27	36.42
Short Circuit Current (Isc/A)	10.96	11.06	11.15	11.25	11.34
Voltage at Maximum Power (Vmp/V)	29.35	29.5	29.65	29.8	29.95
Current at Maximum Power (Imp/A)	10.37	10.45	10.53	10.61	10.69

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(Black)
Frame Material	Anodized aluminum alloy(Black)
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

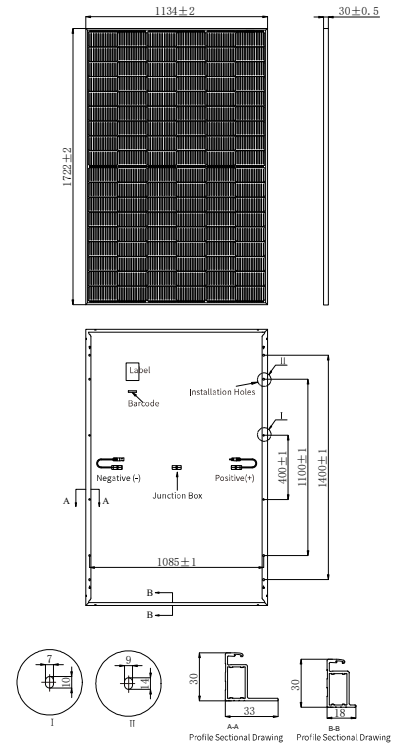
Temperature Coefficients

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

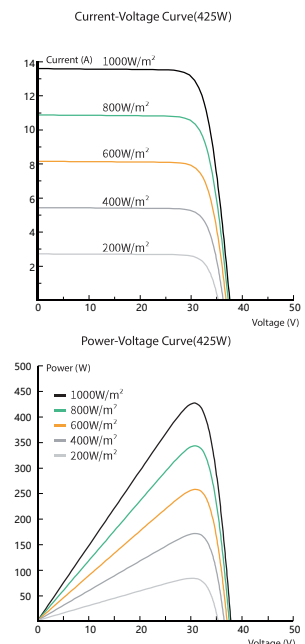
Packaging

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

Module Dimensions (mm)



I-V Curve

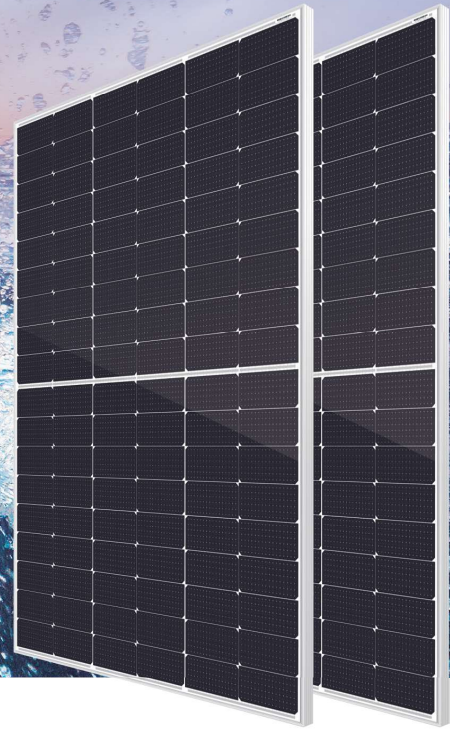


Haitai TaiJi2.0 (182)

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

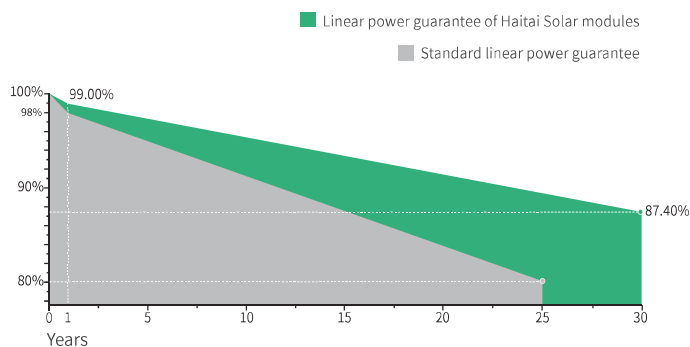
Passivated contact cell technology for higher power generation in operating



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

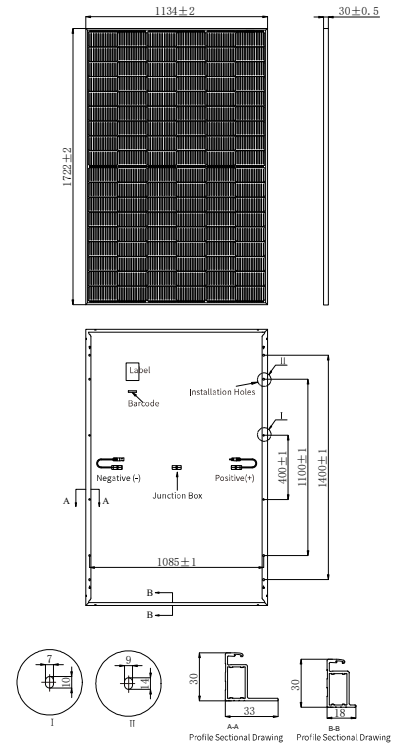
Temperature Coefficients

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

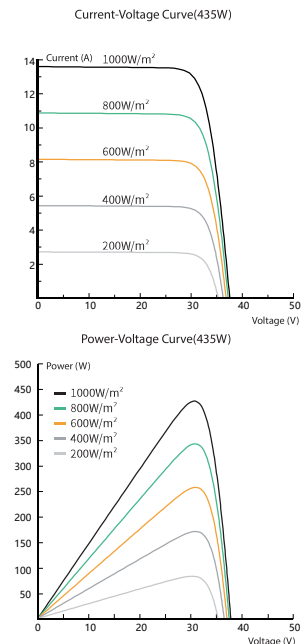
Packaging

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

Module Dimensions (mm)



I-V Curve

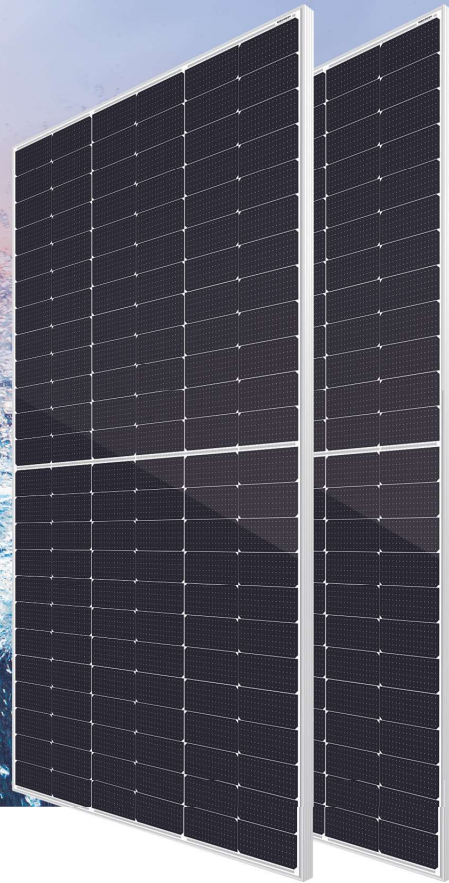


Haitai TaiJi 2.0 (182)

HTM560~580MH5-72NT
TOPCon Monofacial high efficiency PV module

22.45%

Module Efficiency 22.45%



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

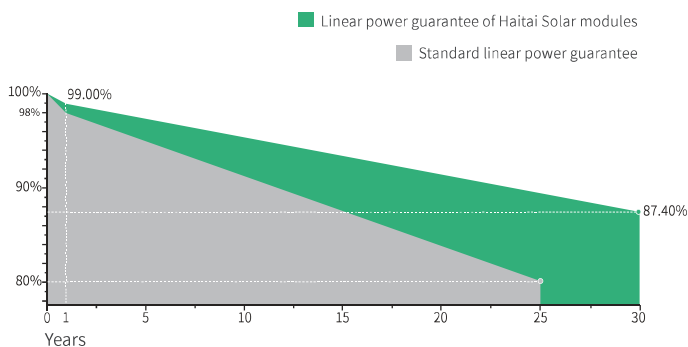
Passivated contact cell technology for higher power generation in operating



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)	560	565	570	575	580
Open Circuit Voltage (Voc/V)	50.88	51.03	51.18	51.33	51.48
Short Circuit Current (Isc/A)	13.76	13.84	13.92	14.00	14.08
Voltage at Maximum Power (Vmp/V)	42.15	42.30	42.45	42.60	42.75
Current at Maximum Power (Imp/A)	13.29	13.36	13.43	13.50	13.57
Module Efficiency (%)	21.68	21.87	22.07	22.26	22.45
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)	422	426	430	434	438
Open Circuit Voltage (Voc/V)	48.31	48.46	48.61	48.76	48.91
Short Circuit Current (Isc/A)	11.26	11.33	11.40	11.47	11.54
Voltage at Maximum Power (Vmp/V)	39.68	39.83	39.98	40.13	40.28
Current at Maximum Power (Imp/A)	10.64	10.70	10.76	10.82	10.88

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	144(6×24)
Module Dimensions	2278×1134×30mm
Weight	28.0kg
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

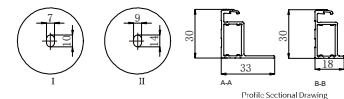
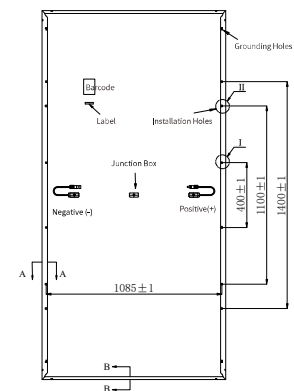
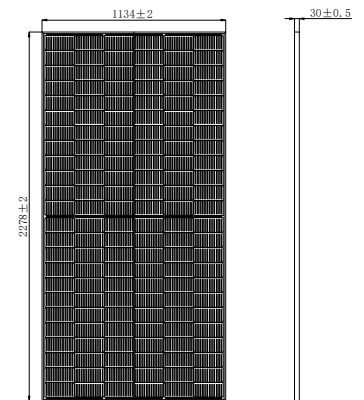
Temperature Coefficients

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

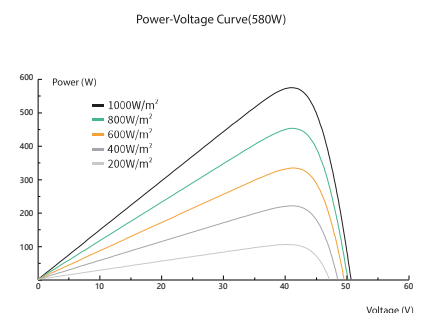
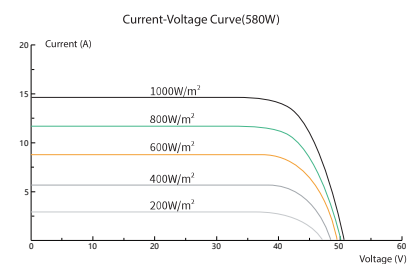
Packaging

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

Module Dimensions (mm)



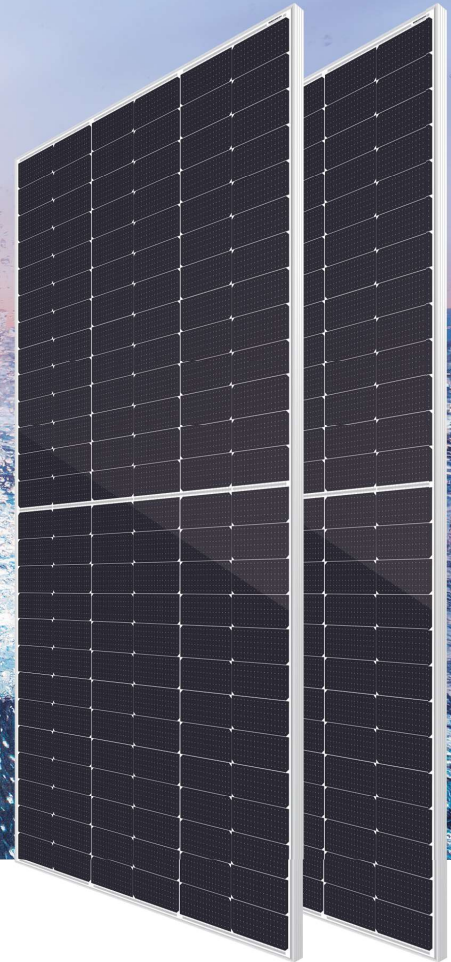
I-V Curve



Haitai TaiJi 2.0 (182)

HTM605~625MH5-78NT
TOPCon Monofacial high efficiency PV module

22.36%
Module Efficiency 22.36%



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

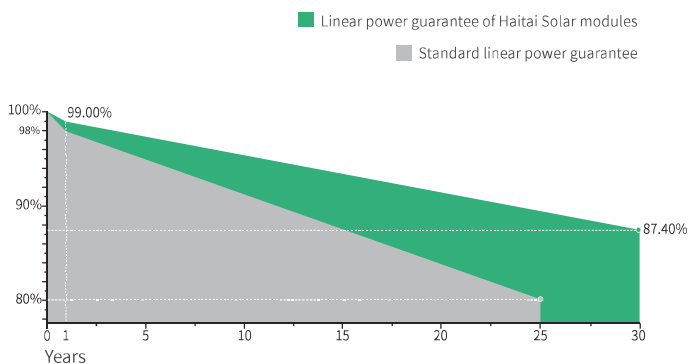
Passivated contact cell technology for higher power generation in operating



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)	605	610	615	620	625
Open Circuit Voltage (Voc/V)	55.01	55.16	55.31	55.46	55.61
Short Circuit Current (Isc/A)	13.75	13.83	13.90	13.98	14.05
Voltage at Maximum Power (Vmp/V)	45.48	45.63	45.78	45.93	46.08
Current at Maximum Power (Imp/A)	13.31	13.37	13.44	13.51	13.57
Module Efficiency (%)	21.64	21.82	22.00	22.18	22.36
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)	454	458	462	466	470
Open Circuit Voltage (Voc/V)	52.28	52.43	52.58	52.73	52.88
Short Circuit Current (Isc/A)	11.21	11.28	11.34	11.41	11.47
Voltage at Maximum Power (Vmp/V)	42.73	42.88	43.03	43.18	43.33
Current at Maximum Power (Imp/A)	10.63	10.69	10.74	10.80	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	156(6×26)
Module Dimensions	2465×1134×30mm
Weight	30.5kg
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

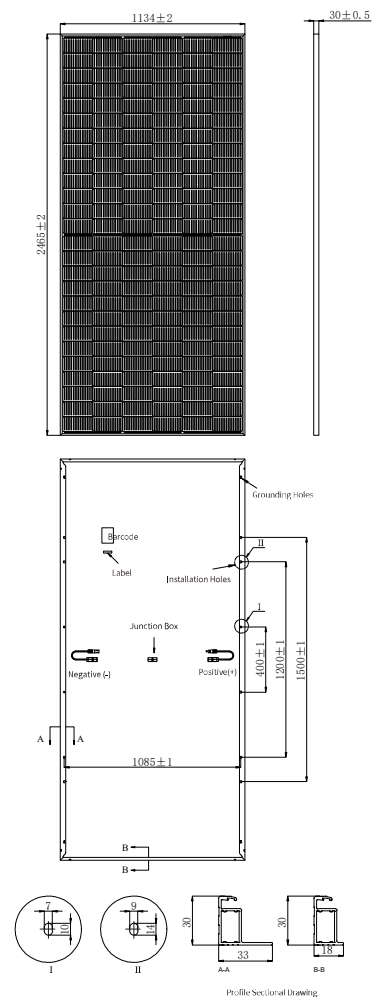
Temperature Coefficients

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

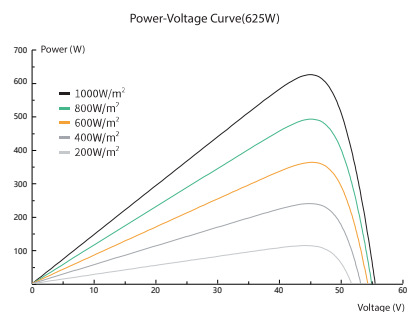
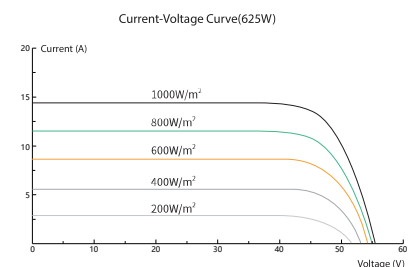
Packaging

Transportation methods	Number of modules per cabinet	Number of modules per pallet
40HQ container	576pcs	36pcs +36pcs

Module Dimensions (mm)



I-V Curve



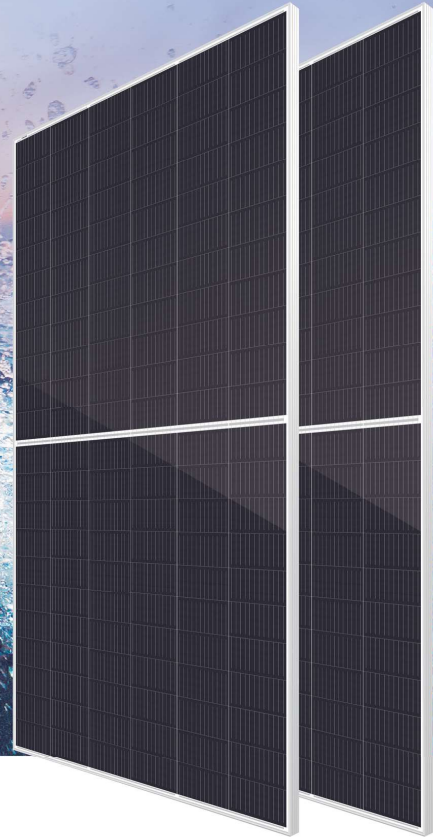
Haitai TaiJi (210)

HTM585~610MH8-60

Monofacial high efficiency mono PV module

21.55%

Module Efficiency 21.55%



PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



High ROI

Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



Low Risk of Hot Spot

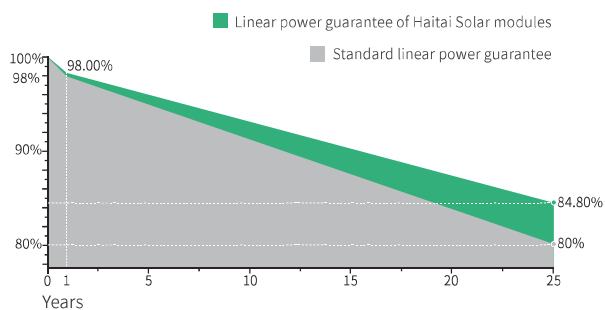
The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	585	590	595	600	605	610
Open Circuit Voltage (Voc/V)	40.89	41.09	41.29	41.49	41.69	41.89
Short Circuit Current (Isc/A)	18.38	18.43	18.48	18.53	18.58	18.64
Voltage at Maximum Power (Vmp/V)	33.79	33.99	34.19	34.39	34.59	34.79
Current at Maximum Power (Imp/A)	17.32	17.36	17.41	17.45	17.50	17.54
Module Efficiency (%)	20.67	20.85	21.02	21.20	21.38	21.55
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)	443	447	451	455	459	463
Open Circuit Voltage (Voc/V)	38.49	38.69	38.89	39.09	39.29	39.49
Short Circuit Current (Isc/A)	14.82	14.86	14.89	14.95	15.00	15.06
Voltage at Maximum Power (Vmp/V)	31.39	31.59	31.79	31.99	32.19	32.39
Current at Maximum Power (Imp/A)	14.12	14.16	14.19	14.23	14.26	14.30
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.						

Mechanical Data

Cell Type	210×105mm Mono
Cell Orientation	120(6×20)
Module Dimensions	2172×1303×35mm
Weight	31.0kg
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: 300 mm negative pole: 400 mm wire length can be customized
Connector	MC4 compatible connector

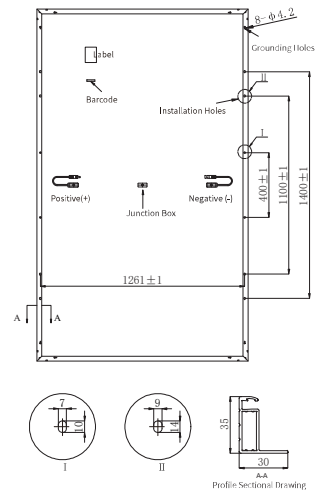
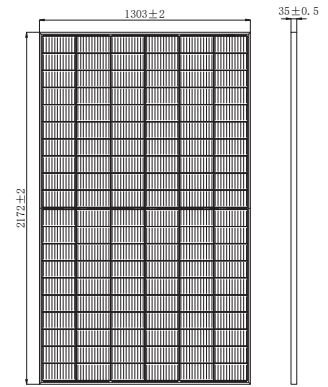
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.040%/°C
NMOT (Nominal Module Operating Temperature)	41±3°C

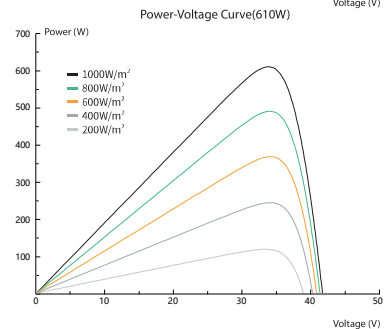
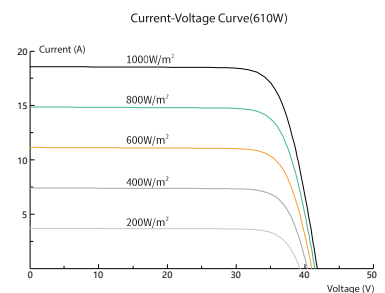
Packaging

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

Module Dimensions (mm)



I-V Curve



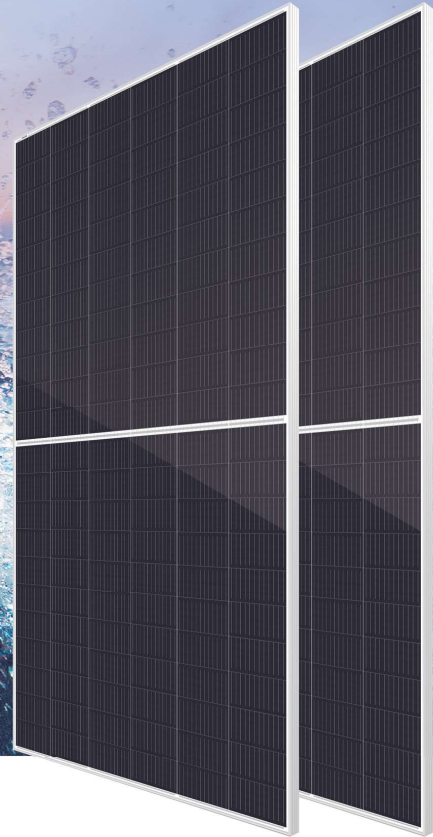
Haitai TaiJi (210)

HTM650~670MH8-66

Monofacial high efficiency mono PV module

21.57%

Module Efficiency 21.57%



PRODUCT FEATURES



High Efficiency

The multi-busbar half-cut technology can boost energy density to deliver higher output.



Low Degradation

First-year degradation is less than 2.0%, with linear degradation of 0.55% per year for 25 years.



High Reliability

Certified in TUV salt spray, ammonia corrosion, 2400Pa wind load and 5400Pa snow load testing. Highly reliable.



Low Risk of Hot Spot

The next-generation cell technology and optimized circuit design adopted can support improved temperature coefficient and better hotspot resistance.



High ROI

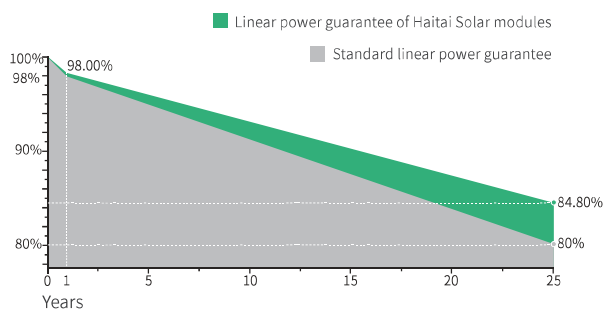
Effectively reducing BOS costs to achieve lower LCOE and enhanced project profitability.



Low Risk of Micro-Crack

The multi-busbar technology contributes to more effective prevention of Micro crack and broken busbars.

LINEAR PERFORMANCE WARRANTY



12 YEARS product warranty



25 YEARS linear power warranty



0.55% Linear attenuation of 0.55% per year within 25 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)	650	655	660	665	670
Open Circuit Voltage (Voc/V)	45.29	45.49	45.69	45.89	46.09
Short Circuit Current (Isc/A)	18.43	18.49	18.52	18.58	18.63
Voltage at Maximum Power (Vmp/V)	37.39	37.59	37.79	37.99	38.19
Current at Maximum Power (Imp/A)	17.39	17.43	17.47	17.51	17.55
Module Efficiency (%)	20.92	21.09	21.25	21.41	21.57
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)	492	496	500	504	508
Open Circuit Voltage (Voc/V)	42.59	42.79	42.99	43.19	43.39
Short Circuit Current (Isc/A)	14.84	14.88	14.93	14.98	15.03
Voltage at Maximum Power (Vmp/V)	34.89	35.09	35.29	35.49	35.69
Current at Maximum Power (Imp/A)	14.11	14.14	14.17	14.21	14.24
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m ² , 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: 300 mm negative pole: 400 mm wire length can be customized
Connector	MC4 compatible connector

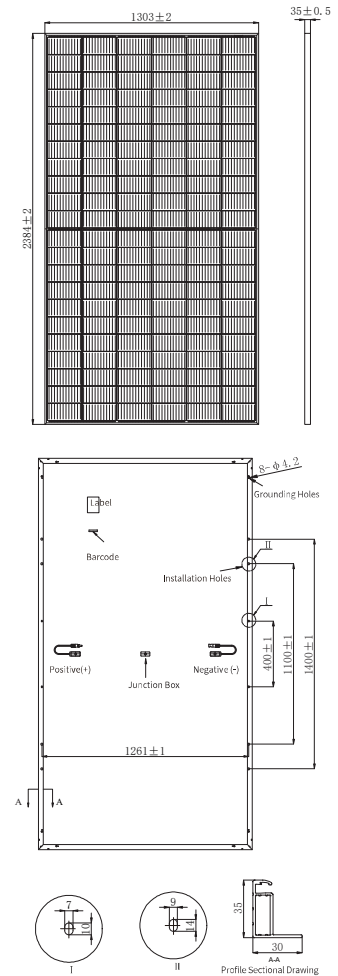
Temperature Coefficients

Temperature Coefficient (Pm)	-0.340%/°C
Temperature Coefficient (Voc)	-0.250%/°C
Temperature Coefficient (Isc)	0.040%/°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

