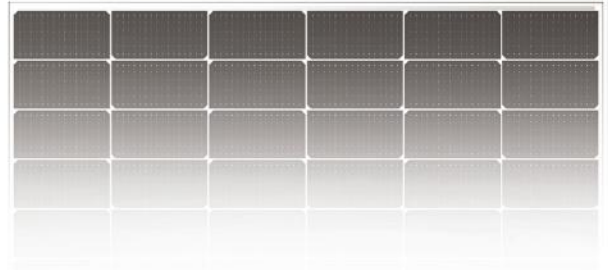
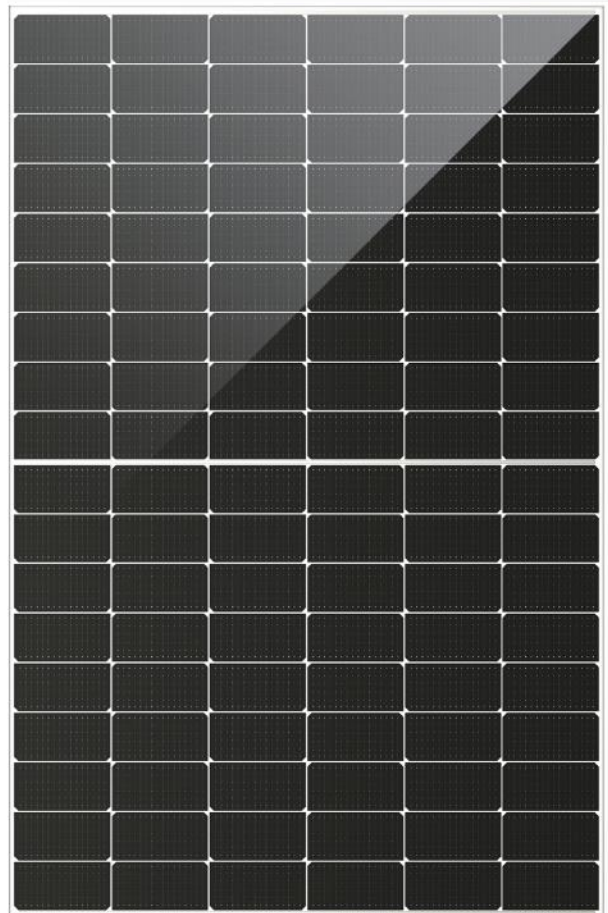


DHM54T31-TP

410-435W

High efficiency TOPCon module

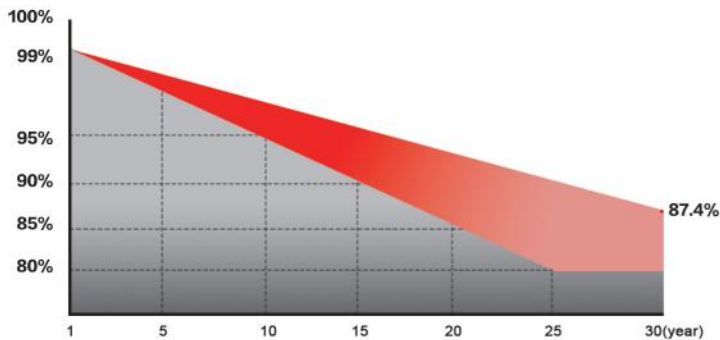
- A** Using the latest TOPCon 16BB silicon cells, the output power reaches 435W with a conversion efficiency reaching 22.28%.
- The same area of higher power, light weight, easy to install
- Ultra-low attenuation rate, first year attenuation $\leq 1\%$, 2-30 years linear attenuation $\leq 0.4\%$
- Fully automatic production line with full quality inspection to ensure product assurance
- Components are resisting wind loads of 2400pa and snow loads of 5400pa



30 YEARS 30 YEAR LINEARITY POWER OUTPUT WARRANTY

25 YEARS 25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 1% in the first year and 0.4% in the following years.

COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



CQC TUV CE
 IEC 61215, IEC 61730
 ISO 9001:Quality Management System
 ISO 14001:Environmental Management System
 ISO 45001:Occupational Health And Safety Management System

Maximum efficiency

435W

Power tolerance

0~+5W

Highest component conversion efficiency

22.28%

First year attenuation

 $\leq 1.0\%$

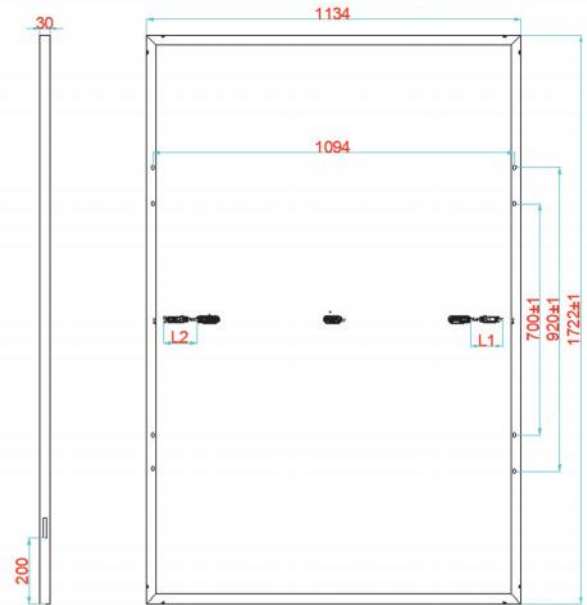
Decay over the years

 $\leq 0.4\%$
MECHANICAL PROPERTIES

Battery type	Monocrystalline-TOPCon
Component weight	21.5kg
Component Size	1722×1134×30mm
Number of Cells	108(6×18)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	36 pieces/pallet 936 pieces /40' container

WORKING PARAMETERS

Maximum system voltage	1500V (TUV)
Operating temperature	-40°C~ +85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45±2°C
Application Level	classA


TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	0.044%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Modle	DHM54T31 -410/TP	DHM54T31 -415/TP	DHM54T31 -420/TP	DHM54T31 -425/TP	DHM54T31 -430/TP	DHM54T31 -435/TP
Maximum power (W)	410	415	420	425	430	435
Voltage at maximum power point (VMP/V)	31.65	31.85	32.05	32.25	32.45	32.65
Current at maximum power point (IMP/A)	12.95	13.03	13.10	13.18	13.25	13.32
Open circuit voltage (VOC/V)	37.53	37.78	38.03	38.28	38.53	38.78
Short circuit current (ISC/A)	13.90	13.94	13.99	14.04	14.09	14.13
Component efficiency [%]	21.00%	21.25%	21.51%	21.76%	22.02%	22.28%
Power tolerance (W)	0~+5					
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5					

Note:Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Modle	DHM54T31 -410/TP	DHM54T31 -415/TP	DHM54T31 -420/TP	DHM54T31 -425/TP	DHM54T31 -430/TP	DHM54T31 -435/TP
Maximum power (W)	305	309	312	316	320	324
Voltage at maximum power point (Vmp)[V]	29.55	29.73	29.91	30.12	30.33	30.56
Current at maximum power point (Imp)[A]	10.32	10.39	10.45	10.50	10.55	10.59
Open circuit voltage (Voc)[V]	34.94	35.16	35.36	35.56	35.76	35.96
Short circuit current (Isc)[A]	11.43	11.55	11.61	11.67	11.75	11.83
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s					

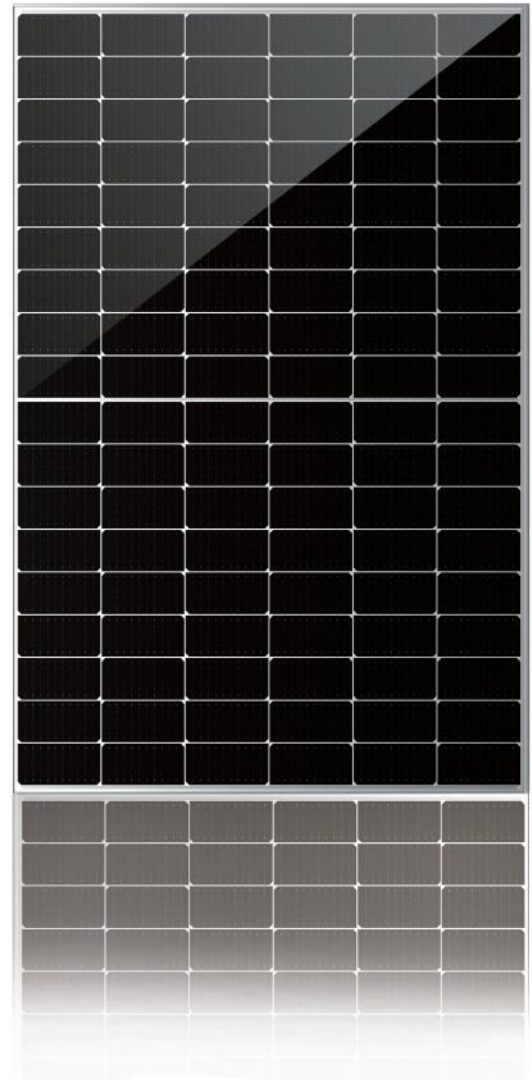
DHM54T31-MR

395-420W

High efficiency monocrystalline module

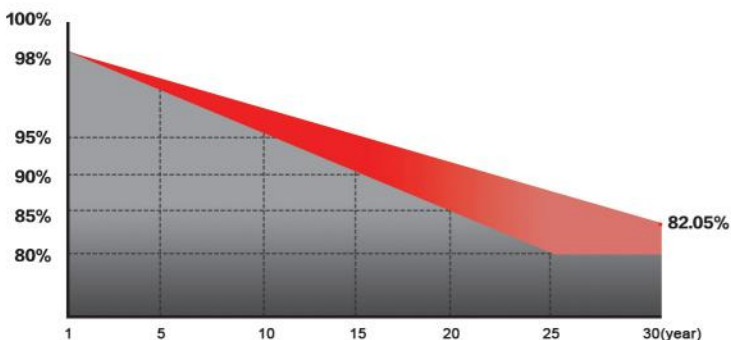
- A+** Using 182 multi bus bar efficient monocrystalline silicon cells, the output power reaches 420W with a conversion efficiency reaching 21.51%
- Compact dimensions with less than 2 square meters for easy installation.
- Weighing 21.5 kg it can be easily carried by one person
- Fully automatic production line with full quality inspection to ensure product assurance.
- The Components are resisting wind loads of 2400pa and snow loads of 5400paa

DAHAI SOLAR is a renewable energy enterprise founded in 2011 , with 5GW high efficiency solar module production capacity, 10GW silicon production capacity. Adhering to the brand concept of "new energy, new world", Dahai solar has always been committed to doing a stand out in the photovoltaic industry, transforming light with ingenuity and provide green energy to everybody.



30 YEARS 30YEAR LINEARITY POWER OUTPUT WARRANTY **25 YEARS** 25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 2% in the first year and 0.55% in the following years.

COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



IEC 61215, IEC 61730
 ISO 9001:Quality Management System
 ISO 14001:Environmental Management System
 ISO 45001:Occupational Health And Safety Management System

Maximum efficiency

Power tolerance

Highest component conversion efficiency

First year attenuation

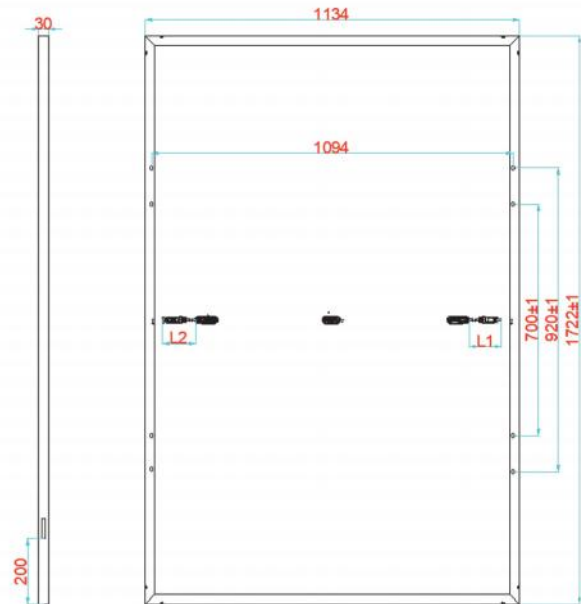
Decay over the years

420W
0~+5W
21.51%
≤ 2.0%
≤ 0.55%
MECHANICAL PROPERTIES

Battery type	Monocrystalline
Component weight	21.5kg
Component Size	1722×1134×30mm
Number of Cells	108(6×18)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	36 pieces/pallet 936 pieces /40 'container

WORKING PARAMETERS

Maximum system voltage	1500V DC
Operating temperature	-40°C~ + 85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45±2°C
Application Level	classA


TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	0.044%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Modle	DHM54T31 -395/MR	DHM54T31 -400/MR	DHM54T31 -405/MR	DHM54T31 -410/MR	DHM54T31 -415/MR	DHM54T31 -420/MR
Maximum power (W)	395	400	405	410	415	420
Voltage at maximum power point (VMP/V)	30.71	31.01	31.31	31.60	31.89	32.15
Current at maximum power point (IMP/A)	12.86	12.90	12.94	12.97	13.01	13.06
Open circuit voltage (VOC/V)	36.72	37.02	37.24	37.50	37.73	37.98
Short circuit current (ISC/A)	13.67	13.75	13.81	13.88	13.95	13.99
Component efficiency [%]	20.23%	20.48%	20.74%	21.00%	21.25%	21.51%
Power tolerance (W)	0~+5					
Standard test environment	Irradiance 1000W/m ² ,cell temperature 25°C,spectrum AM1.5					

Note:Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Modle	DHM54T31 -395/MR	DHM54T31 -400/MR	DHM54T31 -405/MR	DHM54T31 -410/MR	DHM54T31 -415/MR	DHM54T31 -420/MR
Maximum power (W)	294	298	301	305	309	312
Voltage at maximum power point (Vmp)[V]	28.99	29.29	29.60	29.88	30.15	30.43
Current at maximum power point (Imp)[A]	10.14	10.16	10.18	10.21	10.24	10.27
Open circuit voltage (Voc)[V]	34.94	35.14	35.35	35.55	35.85	36.15
Short circuit current (Isc)[A]	11.43	11.50	11.58	11.65	11.71	11.77
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s					

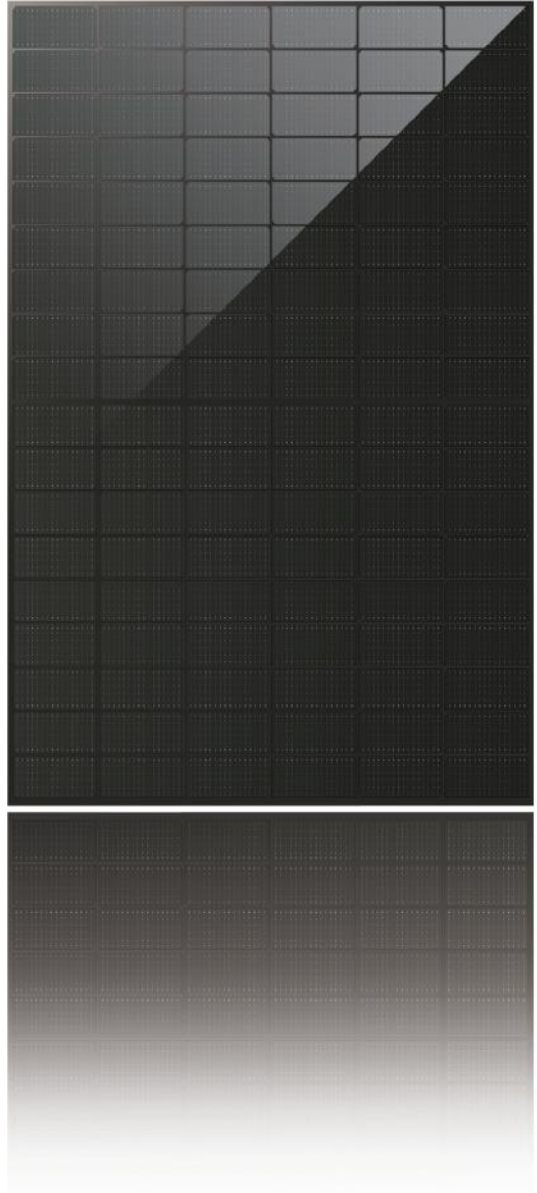
DHM54T35-TP

405-430W

All-black Aesthetic
TOPCon High-efficiency Photovoltaic Module

- A** Using the latest TOPCon 16BB silicon cells, the output power reaches 430W with a conversion efficiency reaching 22.02%.
- ◆** The same area of higher power, light weight, easy to install
- Ⓜ** Ultra-low attenuation rate, first year attenuation $\leq 1\%$, 2-30 years linear attenuation $\leq 0.4\%$
- 🏭** Fully automatic production line with full quality inspection to ensure product assurance
- 🌪️** Components are resisting wind loads of 2400pa and snow loads of 5400pa

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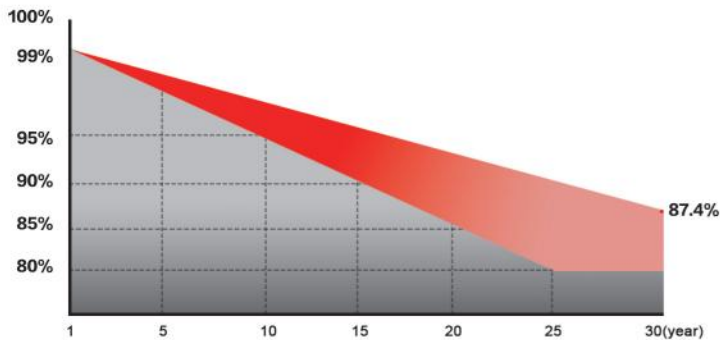


30 YEAR LINEARITY POWER OUTPUT WARRANTY



25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 1% in the first year and 0.4% in the following years.

COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



CQC TUV CE
IEC 61215, IEC 61730
ISO 9001:Quality Management System
ISO 14001:Environmental Management System
ISO 45001:Occupational Health And Safety Management System

Maximum efficiency

430W

Power tolerance

0~+5W

Highest component conversion efficiency

22.02%

First year attenuation

≤1.0%

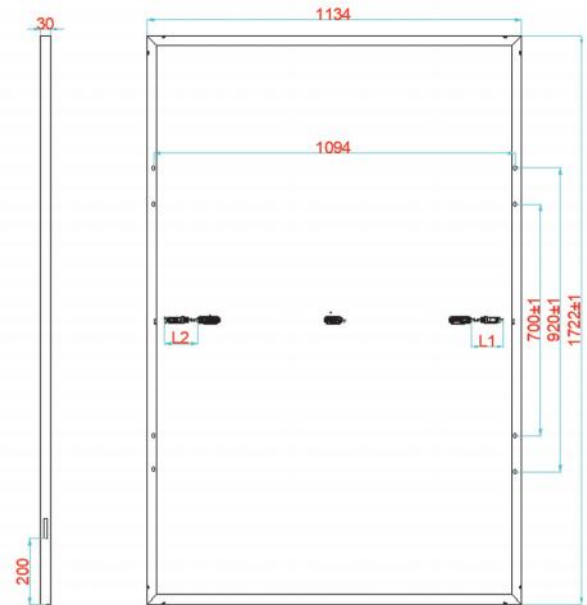
Decay over the years

≤0.4%
MECHANICAL PROPERTIES

Battery type	Monocrystalline-TOPCon
Component weight	21.5kg
Component Size	1722×1134×30mm
Number of Cells	108 (6x18)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	36 pieces/pallet 936 pieces /40 'container

WORKING PARAMETERS

Maximum system voltage	1500V DC
Operating temperature	-40°C~ +85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45±2°C
Application Level	classA


TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	0.044%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Mode	DHM54T35-405/TP	DHM54T35-410/TP	DHM54T35-415/TP	DHM54T35-420/TP	DHM54T35-425/TP	DHM54T35-430/TP
Maximum power (W)	405	410	415	420	425	430
Voltage at maximum power point (VMP/V)	31.35	31.65	31.85	32.05	32.25	32.45
Current at maximum power point (IMP/A)	12.92	12.95	13.03	13.10	13.18	13.25
Open circuit voltage (VOC/V)	37.13	37.53	37.78	38.03	38.28	38.53
Short circuit current (ISC/A)	13.83	13.90	13.94	13.99	14.04	14.09
Component efficiency [%]	20.74%	21.00%	21.25%	21.51%	21.76%	22.02%
Power tolerance (W)	0~+5					
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5					

Note: Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

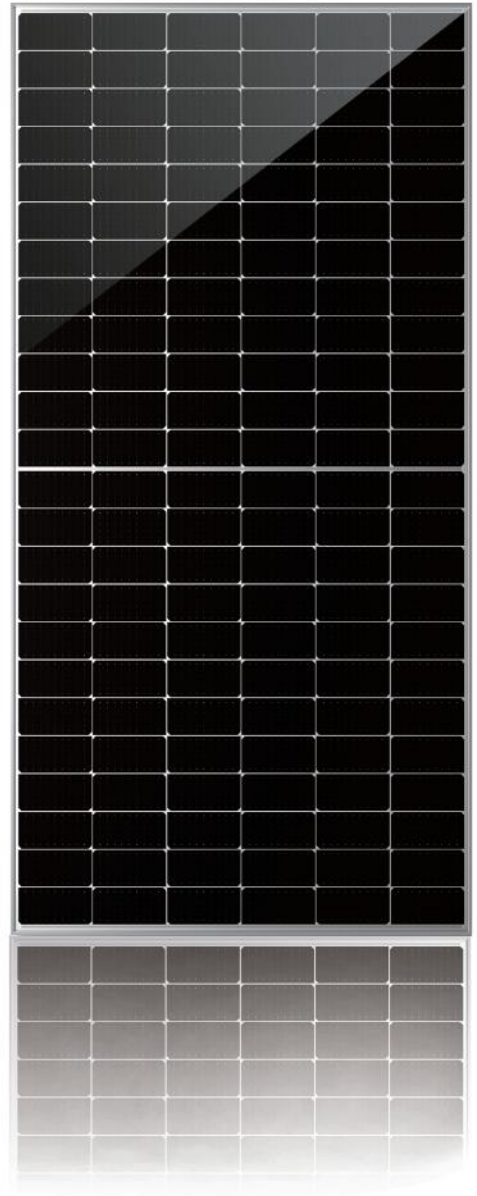
Mode	DHM54T35-405/TP	DHM54T35-410/TP	DHM54T35-415/TP	DHM54T35-420/TP	DHM54T35-425/TP	DHM54T35-430/TP
Maximum power (W)	301	305	309	312	316	320
Voltage at maximum power point (Vmp)[V]	29.31	29.55	29.73	29.91	30.12	30.33
Current at maximum power point (Imp)[A]	10.28	10.32	10.39	10.45	10.50	10.55
Open circuit voltage (Voc)[V]	35.16	34.94	35.16	35.36	35.56	35.76
Short circuit current (Isc)[A]	11.55	11.43	11.55	11.61	11.67	11.75
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s					

Monocrystalline module

DHM72T20-MR

440-465W

High efficiency monocrystalline module



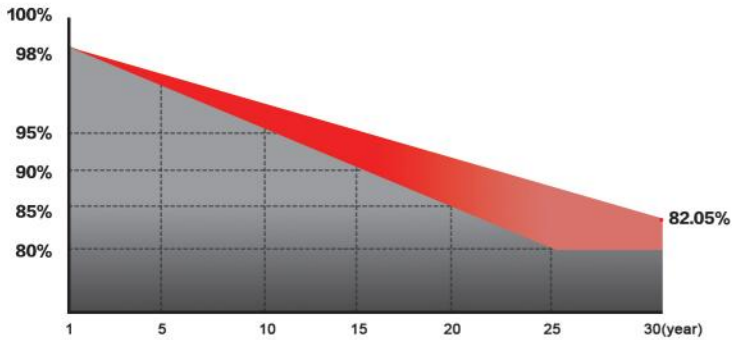
- Using 166 multi bus bar efficient monocrystalline silicon cells, the output power reaches 465 W with a conversion efficiency reaching 21.36%!
- Moderate area and weight, easy to install, Wide application range.
- Fully automatic production line with full quality inspection to ensure product assurance
- The Components are resisting wind loads of 2400pa and snow loads of 5400pa

DAHAI SOLAR is a renewable energy enterprise founded in 2011 , with 5GW high efficiency solar module production capacity, 10GW silicon production capacity. Adhering to the brand concept of "new energy, new world", Dahai solar has always been committed to doing a stand out in the photovoltaic industry, transforming light with ingenuity and provide green energy to everybody.

30 YEARS 30 YEAR LINEARITY POWER OUTPUT WARRANTY

25 YEARS 25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 2% in the first year and 0.55% in the following years.

COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



CQC TUV CE
 IEC 61215, IEC 61730
 ISO 9001:Quality Management System
 ISO 14001:Environmental Management System
 ISO 45001:Occupational Health And Safety Management System

Maximum efficiency

Power tolerance

Highest component conversion efficiency

First year attenuation

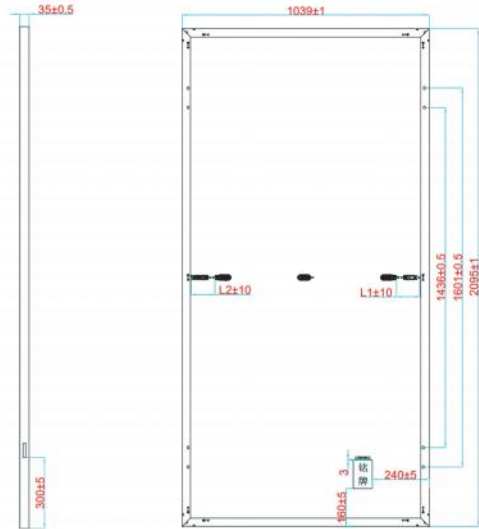
Decay over the years

465W
0~+5W
21.36%
≤ 2.0%
≤ 0.55%
MECHANICAL PROPERTIES

Battery type	Monocrystalline
Component weight	24.5kg
Component Size	2095x1039x35mm
Number of Cells	144(6x24)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	31 pieces/pallet 620 pieces /40 'container

WORKING PARAMETERS

Maximum system voltage	1000V DC
Operating temperature	-40°C~ + 85°C
Maximum fuse current rating	20A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
Back rate	45±2°C
Application Level	classA


TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	0.044%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Modle	DHM72T20 -440/MR	DHM72T20 -445/MR	DHM72T20 -450/MR	DHM72T20 -455/MR	DHM72T20 -460/MR	DHM72T20 -465/MR
Maximum power (W)	440	445	450	455	460	465
Voltage at maximum power point (VMP/V)	40.89	41.20	41.51	41.81	42.12	42.42
Current at maximum power point (IMP/A)	10.76	10.80	10.84	10.88	10.92	10.96
Open circuit voltage (VOC/V)	49.38	49.53	49.67	49.82	49.97	50.13
Short circuit current (ISC/A)	11.27	11.31	11.35	11.39	11.43	11.47
Component efficiency [%]	20.21%	20.44%	20.67%	20.90%	21.13%	21.36%
Power tolerance (W)	0~±5					
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5					

Note: Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

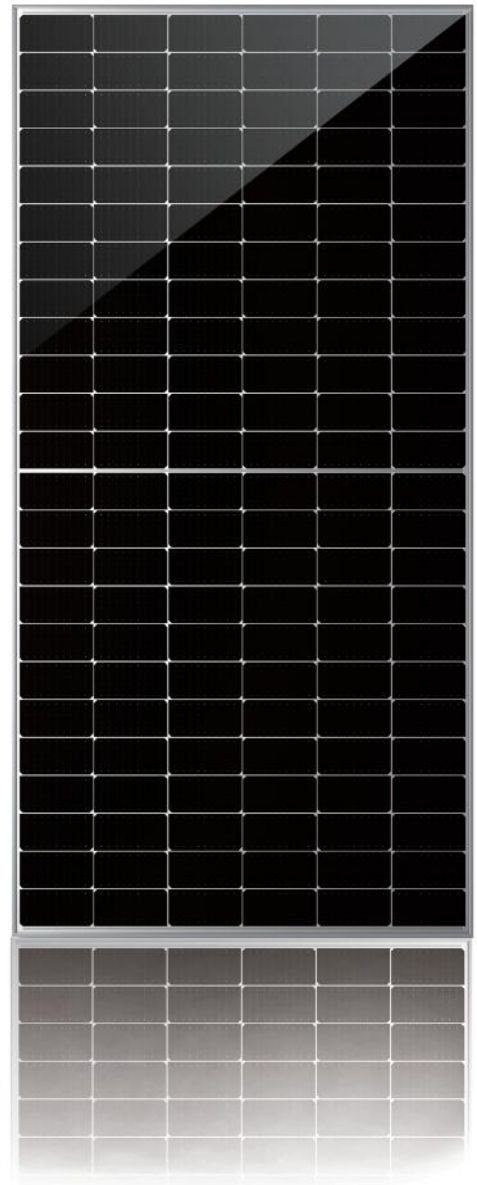
ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Modle	DHM72T20 -440/MR	DHM72T20 -445/MR	DHM72T20 -450/MR	DHM72T20 -455/MR	DHM72T20 -460/MR	DHM72T20 -465/MR
Maximum power (W)	327	331	335	339	342	346
Voltage at maximum power point (Vmp)[V]	37.21	37.49	37.77	38.05	38.33	38.60
Current at maximum power point (Imp)[A]	8.80	8.83	8.86	8.90	8.93	8.96
Open circuit voltage (Voc)[V]	41.97	42.10	42.22	42.35	42.47	42.61
Short circuit current (Isc)[A]	9.58	9.61	9.65	9.68	9.72	9.75
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s					

DHM72T31-MR

530-555W

High efficiency monocrystalline module



- Using 182 multi bus bar efficient monocrystalline silicon cells, the output power reaches 555W with a conversion efficiency reaching 21.48%!
- High power module designed for large scale solar power station project, striving for high efficiency
- The same surface area achieves a higher power generation efficiency when compared with standard modules
- Fully automatic production line with full quality inspection to ensure product assurance
- The Components are resisting wind loads of 2400pa and snow loads of 5400pa

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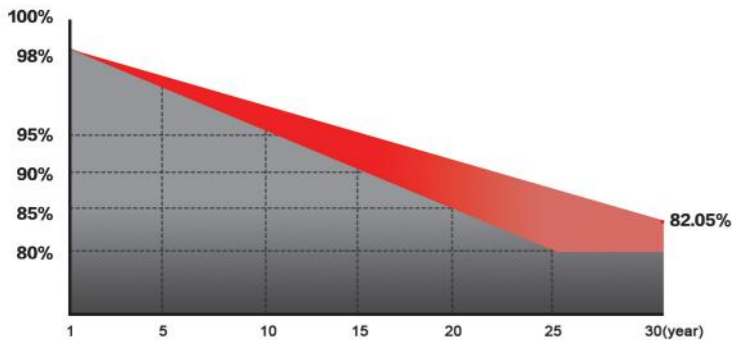


30 YEAR LINEARITY POWER OUTPUT WARRANTY



25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 2% in the first year and 0.55% in the following years.

COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



CQC TUV CE
 IEC 61215, IEC 61730
 ISO 9001:Quality Management System
 ISO 14001:Environmental Management System
 ISO 45001:Occupational Health And Safety Management System

Maximum efficiency

Power tolerance

Highest component conversion efficiency

First year attenuation

Decay over the years

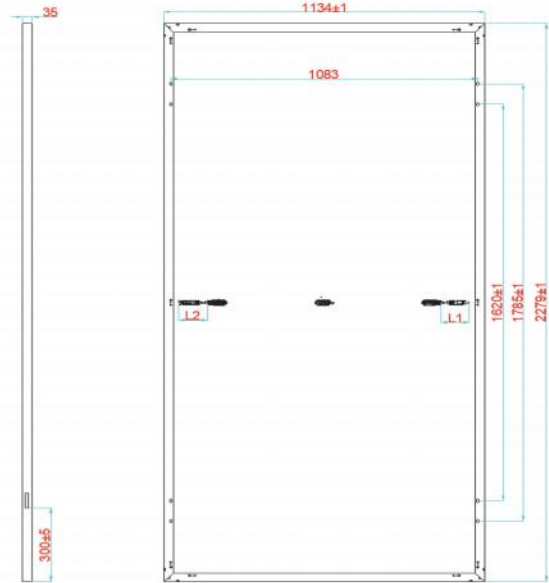
555W
0~+5W
21.48%
≤ 2.0%
≤ 0.55%

MECHANICAL PROPERTIES

Battery type	Monocrystalline
Component weight	28kg
Component Size	2279x1134x35mm
Number of Cells	144(6x24)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	31 pieces/pallet 620 pieces /40 'container

WORKING PARAMETERS

Maximum system voltage	1500V DC
Operating temperature	-40°C ~ + 85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45±2°C
Application Level	classA



TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	0.044%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Modle	DHM72T31 -530/MR	DHM72T31 -535/MR	DHM72T31 -540/MR	DHM72T31 -545/MR	DHM72T31 -550/MR	DHM72T31 -555/MR
Maximum power (W)	530	535	540	545	550	555
Voltage at maximum power point (VMP/V)	41.53	41.82	42.12	42.41	42.71	42.91
Current at maximum power point (IMP/A)	12.76	12.79	12.82	12.85	12.88	12.93
Open circuit voltage (VOC/V)	49.20	49.35	49.51	49.69	49.88	50.08
Short circuit current (ISC/A)	13.68	13.75	13.82	13.89	13.97	14.04
Component efficiency [%]	20.51%	20.70%	20.89%	21.09%	21.28%	21.48%
Power tolerance (W)	0~±5					
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5					

Note: Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Modle	DHM72T31 -530/MR	DHM72T31 -535/MR	DHM72T31 -540/MR	DHM72T31 -545/MR	DHM72T31 -550/MR	DHM72T31 -555/MR
Maximum power (W)	394	398	402	405	409	413
Voltage at maximum power point (Vmp)[V]	38.30	38.55	38.79	39.04	39.28	39.49
Current at maximum power point (Imp)[A]	10.30	10.33	10.36	10.39	10.42	10.46
Open circuit voltage (Voc)[V]	45.96	46.11	46.27	46.42	46.58	46.74
Short circuit current (Isc)[A]	11.01	11.08	11.14	11.20	11.27	11.34
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s					

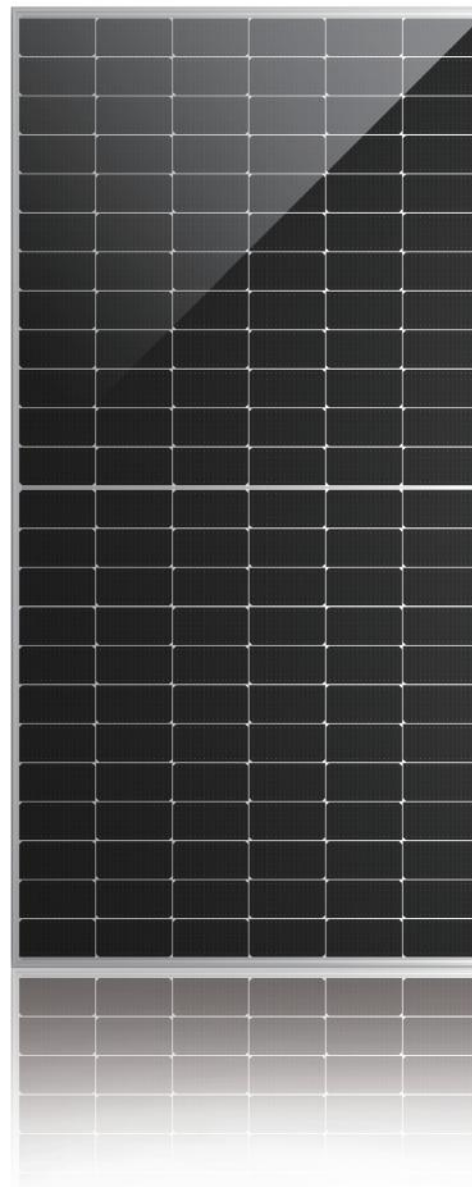
DHM72T31-TP

555-585W

High efficiency TOPCon module

- A** Using the latest TOPCon 16BB silicon cells, the output power reaches 585W with a conversion efficiency reaching 22.64%.
- The same surface area achieves a higher power generation efficiency when compared with standard modules
- Ultra-low attenuation rate, first year attenuation $\leq 1\%$, 2-30 years linear attenuation $\leq 0.4\%$
- Fully automatic production line with full quality inspection to ensure product assurance
- The Components are resisting wind loads of 2400pa and snow loads of 5400pa

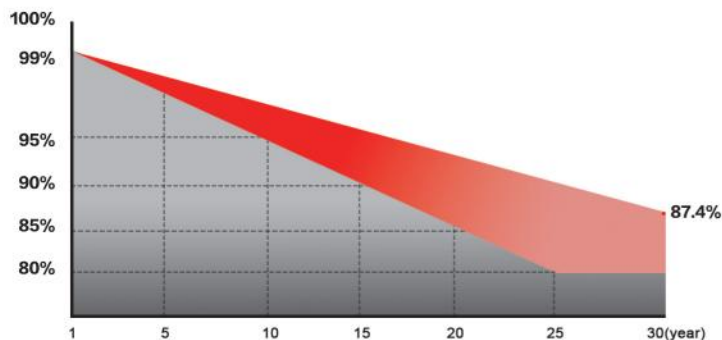
DAHAI SOLAR is a renewable energy enterprise founded in 2011, with 5GW high efficiency solar module production capacity, 10GW silicon production capacity. Adhering to the brand concept of "new energy, new world", Dahai solar has always been committed to doing a stand out in the photovoltaic industry, transforming light with ingenuity and provide green energy to everybody.



30 YEARS 30 YEAR LINEARITY POWER OUTPUT WARRANTY

25 YEARS 25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 1% in the first year and 0.4% in the following years.

COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



CQC TUV CE
 IEC 61215, IEC 61730
 ISO 9001:Quality Management System
 ISO 14001:Environmental Management System
 ISO 45001:Occupational Health And Safety Management System

Maximum efficiency

Power tolerance

Highest component conversion efficiency

First year attenuation

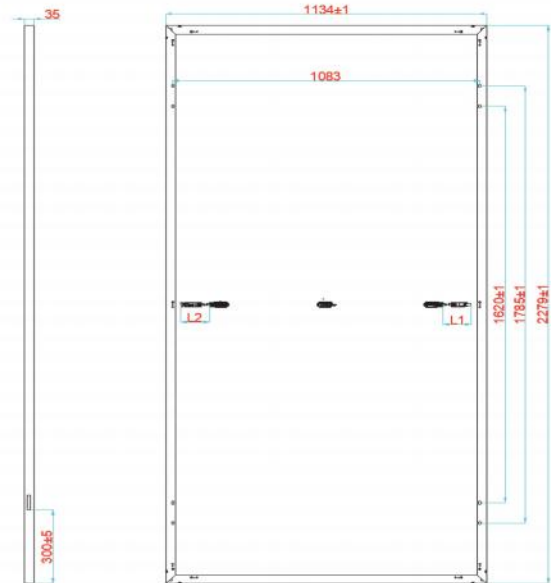
Decay over the years

585W
0~+5W
22.64%
≤ 1.0%
≤ 0.4%
MECHANICAL PROPERTIES

Battery type	Monocrystalline-TOPCon
Component weight	28kg
Component Size	2279×1134×35mm
Number of Cells	144(6x24)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	31 pieces/pallet 620 pieces /40 'container

WORKING PARAMETERS

Maximum system voltage	1500V DC
Operating temperature	-40°C~ +85°C
Maximum fuse current rating	25A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45±2°C
Application Level	classA


TEMPERATURE CHARACTERISTICS

Power	-0.350%/°C
Open circuit voltage	-0.274%/°C
Short-circuit current	0.044%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Module	DHM72T31 -555/TP	DHM72T31 -560/TP	DHM72T31 -565/TP	DHM72T31 -570/TP	DHM72T31 -575/TP	DHM72T31 -580/TP	DHM72T31 -585/TP
Maximum power (W)	555	560	565	570	575	580	585
Voltage at maximum power point (VMP/V)	42.95	43.25	43.55	43.85	44.15	44.45	44.75
Current at maximum power point (IMP/A)	12.92	12.95	12.97	13.00	13.02	13.05	13.07
Open circuit voltage (VOC/V)	50.10	50.30	50.50	50.70	50.90	51.10	51.30
Short circuit current (ISC/A)	14.01	14.07	14.13	14.19	14.25	14.31	14.37
Component efficiency [%]	21.48%	21.67%	21.86%	22.06%	22.25%	22.44%	22.64%
Power tolerance (W)	0~+5						
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5						

Note: Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Module	DHM72T31 -555/TP	DHM72T31 -560/TP	DHM72T31 -565/TP	DHM72T31 -570/TP	DHM72T31 -575/TP	DHM72T31 -580/TP	DHM72T31 -585/TP
Maximum power (W)	413	417	420	424	428	432	435
Voltage at maximum power point (Vmp)[V]	39.49	39.79	40.09	40.39	40.69	40.99	41.29
Current at maximum power point (Imp)[A]	10.46	10.47	10.49	10.50	10.51	10.53	10.54
Open circuit voltage (Voc)[V]	46.75	46.95	47.15	47.35	47.55	47.75	47.95
Short circuit current (Isc)[A]	11.35	11.40	11.45	11.50	11.55	11.60	11.65
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s						

DHM66T50-MR

645-670W

High efficiency monocrystalline module

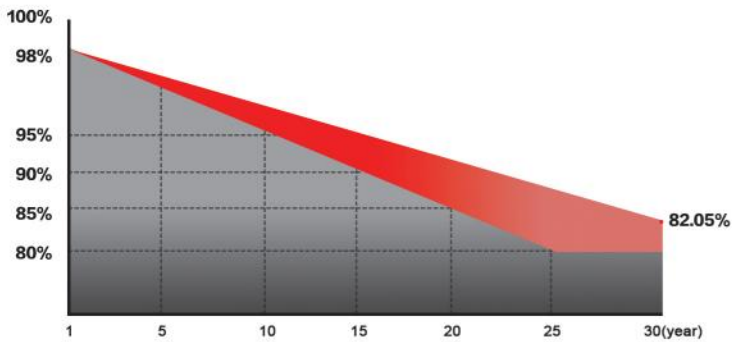
- Using 210, 12BB efficient monocrystalline silicon cells, the output power up to 670W, the conversion rate reached 21.57%
- High power module designed for large and medium scale solar power station project, striving for high efficiency
- Fully automatic production line with full quality inspection to ensure product assurance
- The Components are resisting wind loads of 2400pa and snow loads of 5400pa

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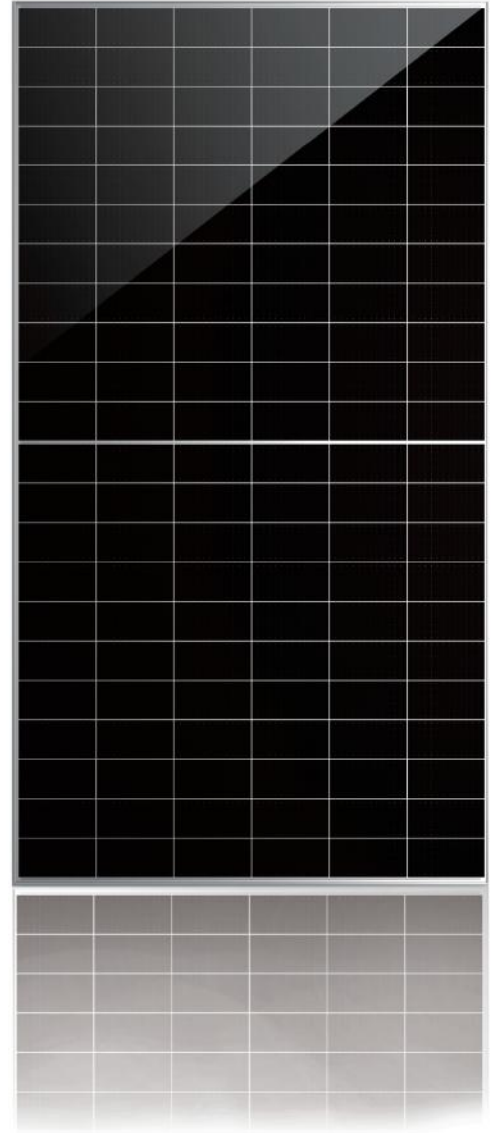
30 YEARS 30 YEAR LINEARITY POWER OUTPUT WARRANTY

25 YEARS 25 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

30 YEAR EXCESS LINEAR POWER OUTPUT WARRANTY



The power attenuation shall not exceed 2% in the first year and 0.55% in the following years.



COMPLETE QUALITY MANAGEMENT SYSTEM AND PRODUCT CERTIFICATION



CQC TUV CE
 IEC 61215, IEC 61730
 ISO 9001:Quality Management System
 ISO 14001:Environmental Management System
 ISO 45001:Occupational Health And Safety Management System

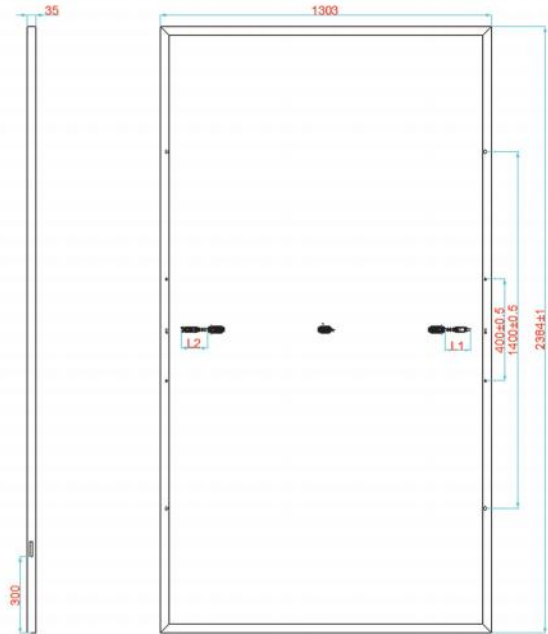
Maximum efficiency	Power tolerance	Highest component conversion efficiency	First year attenuation	Decay over the years
670W	0~+5W	21.57%	≤2.0%	≤0.55%

MECHANICAL PROPERTIES

Battery type	Monocrystalline
Component weight	33kg
Component Size	2384×1303×35mm
Number of Cells	132(6x22)
Cable cross-sectional area	4mm ²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	31 pieces/pallet 558 pieces /40 'container

WORKING PARAMETERS

Maximum system voltage	1500V DC
Operating temperature	-40°C~ + 85°C
Maximum fuse current rating	30A
Maximum static load, front	5400pa
Maximum static load,back side	2400pa
nominal battery operating temperature	45±2°C
Application Level	classA


TEMPERATURE CHARACTERISTICS

Power	-0.34%/°C
Open circuit voltage	-0.253%/°C
Short-circuit current	0.040%/°C

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Modle	DHM66T50 -645/MR	DHM66T50 -650/MR	DHM66T50 -655/MR	DHM66T50 -660/MR	DHM66T50 -665/MR	DHM66T50 -670/MR
Maximum power (W)	645	650	655	660	665	670
Voltage at maximum power point (VMP/V)	37.48	37.68	37.89	38.11	38.31	38.52
Current at maximum power point (IMP/A)	17.21	17.25	17.29	17.32	17.36	17.39
Open circuit voltage (VOC/V)	45.12	45.32	45.53	45.73	45.95	46.14
Short circuit current (ISC/A)	18.24	18.29	18.33	18.39	18.44	18.50
Component efficiency [%]	20.76%	20.92%	21.09%	21.25%	21.41%	21.57%
Power tolerance (W)	0~+5					
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5					

Note: Due to continuous innovation, research and product upgrading, the parameters in this specification are not just a component, but can only be used for comparison between different types.

ELECTRICAL PERFORMANCE PARAMETERS UNDER NOCT

Modle	DHM66T50 -645/MR	DHM66T50 650/MR	DHM66T50 -655/MR	DHM66T50 -660/MR	DHM66T50 -665/MR	DHM66T50 -670/MR
Maximum power (W)	481	485	488	492	496	500
Voltage at maximum power point (Vmp)[V]	34.63	34.84	35.05	35.25	35.43	35.62
Current at maximum power point (Imp)[A]	13.89	13.91	13.93	13.96	13.99	14.02
Open circuit voltage (Voc)[V]	42.30	42.53	42.74	42.94	43.13	43.31
Short circuit current (Isc)[A]	14.53	14.60	14.66	14.75	14.83	14.91
Nominal cell operating temperature(NOCT)	Irradiance800W/m ² , ambient temperature20°C, spectrum AM1.5G, wind speed 1m/s					