

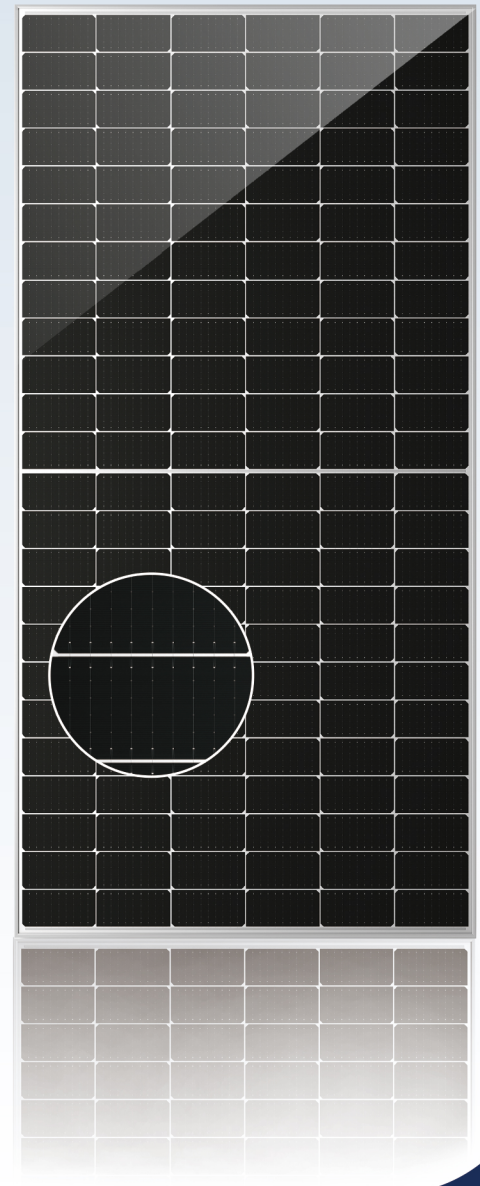
DHM72T31-MR

525-550W

High efficiency monocrystalline module

- A+** Using 182 multi bus bar efficient monocrystalline silicon cells, the output power reaches 550W with a conversion efficiency reaching 21.28%!
- 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

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.

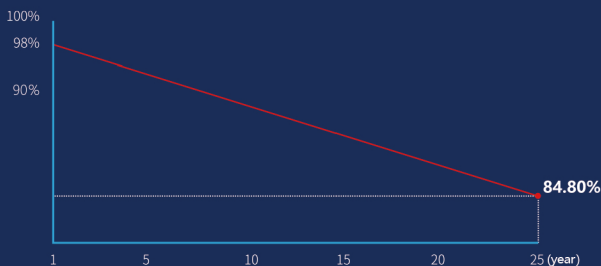


25 YEAR LINEARITY POWER OUTPUT WARRANTY



15 YEARS OF EXCELLENT PRODUCTS MATERIAL AND PROCESS WARRANTY

25 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

550W

0~+5W

21.28%

≤2.0%

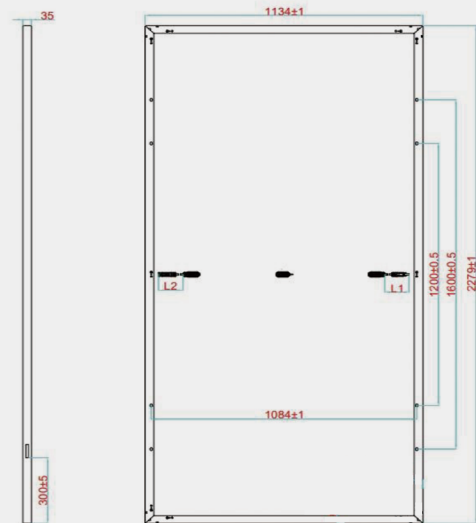
≤0.55%

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 compatible connector
Packaging information	31 pieces per pallet

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	DHM72T31-525/MR	DHM72T31-530/MR	DHM72T31-535/MR	DHM72T31-540/MR	DHM72T31-545/MR	DHM72T31-550/MR
Maximum power (W)	525	530	535	540	545	550
Voltage at maximum power point (VMP/V)	41.24	41.53	41.82	42.12	42.41	42.71
Current at maximum power point (IMP/A)	12.73	12.76	12.79	12.82	12.85	12.88
Open circuit voltage (VOC/V)	49.05	49.20	49.35	49.51	49.69	49.88
Short circuit current (ISC/A)	13.61	13.68	13.75	13.82	13.89	13.97
Component efficiency [%]	20.31%	20.51%	20.70%	20.89%	21.09%	21.28%
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	DHM72T31-525/MR	DHM72T31-530/MR	DHM72T31-535/MR	DHM72T31-540/MR	DHM72T31-545/MR	DHM72T31-550/MR
Maximum power (W)	391	394	398	402	405	409
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]	10.20	10.23	10.26	10.29	10.32	10.36
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)	Irradiance 800W/m ³ , ambient temperature 20°C, spectrum AM1.5G, wind speed 1m/s					