

DHM72D30-TP

580-610W

High performance transparent N-type
double glass bifacial solar module

-  High performance N-Type TOPCon 16BB silicon cells, with a conversion efficiency upto 23.60%.
-  Up to 20 % more power output by Bifacial-Technology
-  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

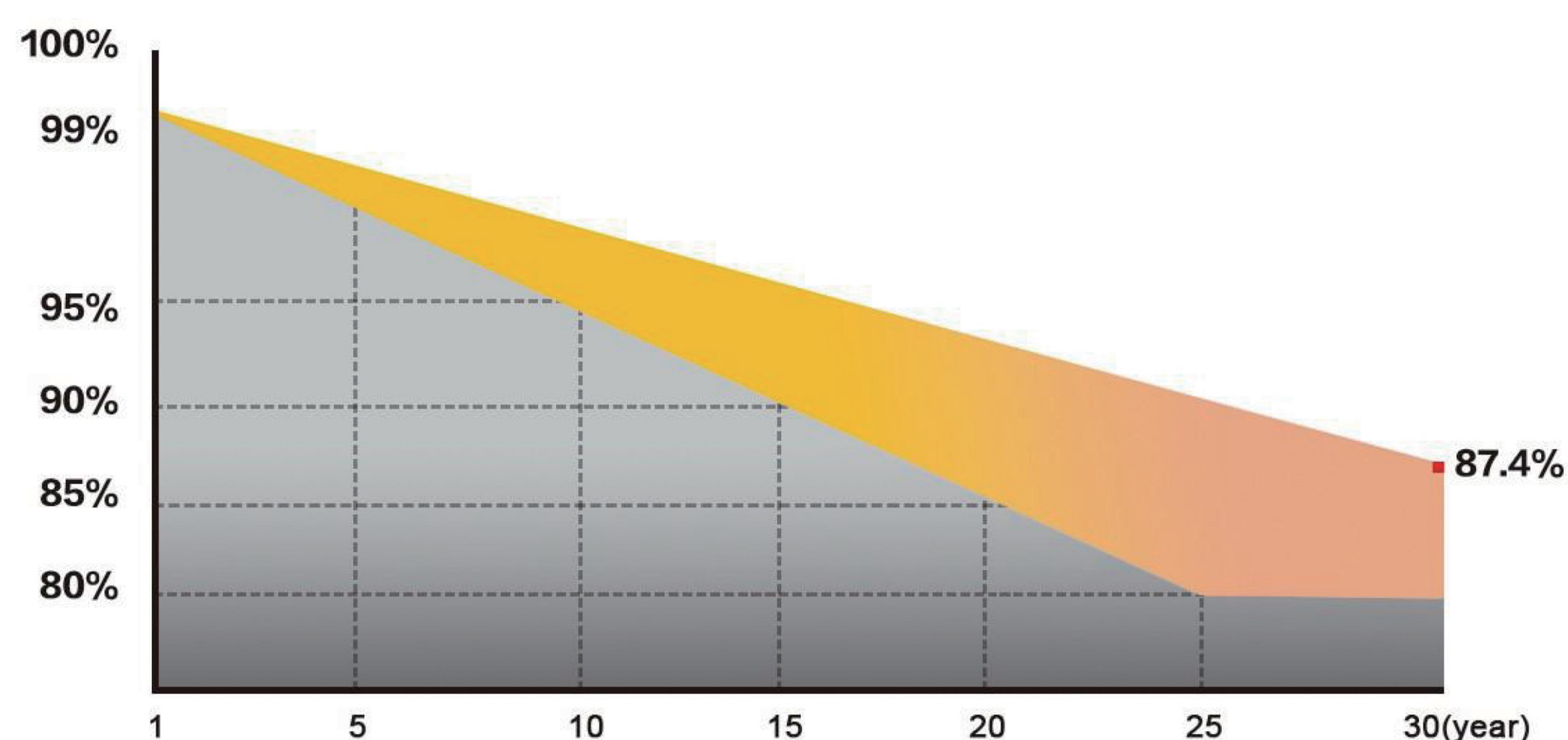
DAHAI SOLAR is a renewable energy enterprise founded in 2011 , with 5GW high efficiency solar module production and 10GW silicon production capacity. Adhering to the brand concept of "new energy for a new world", Dahai solar has always been committed to doing a stand out in the photovoltaic industry,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



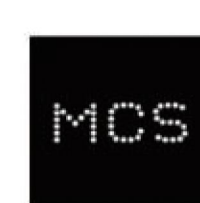
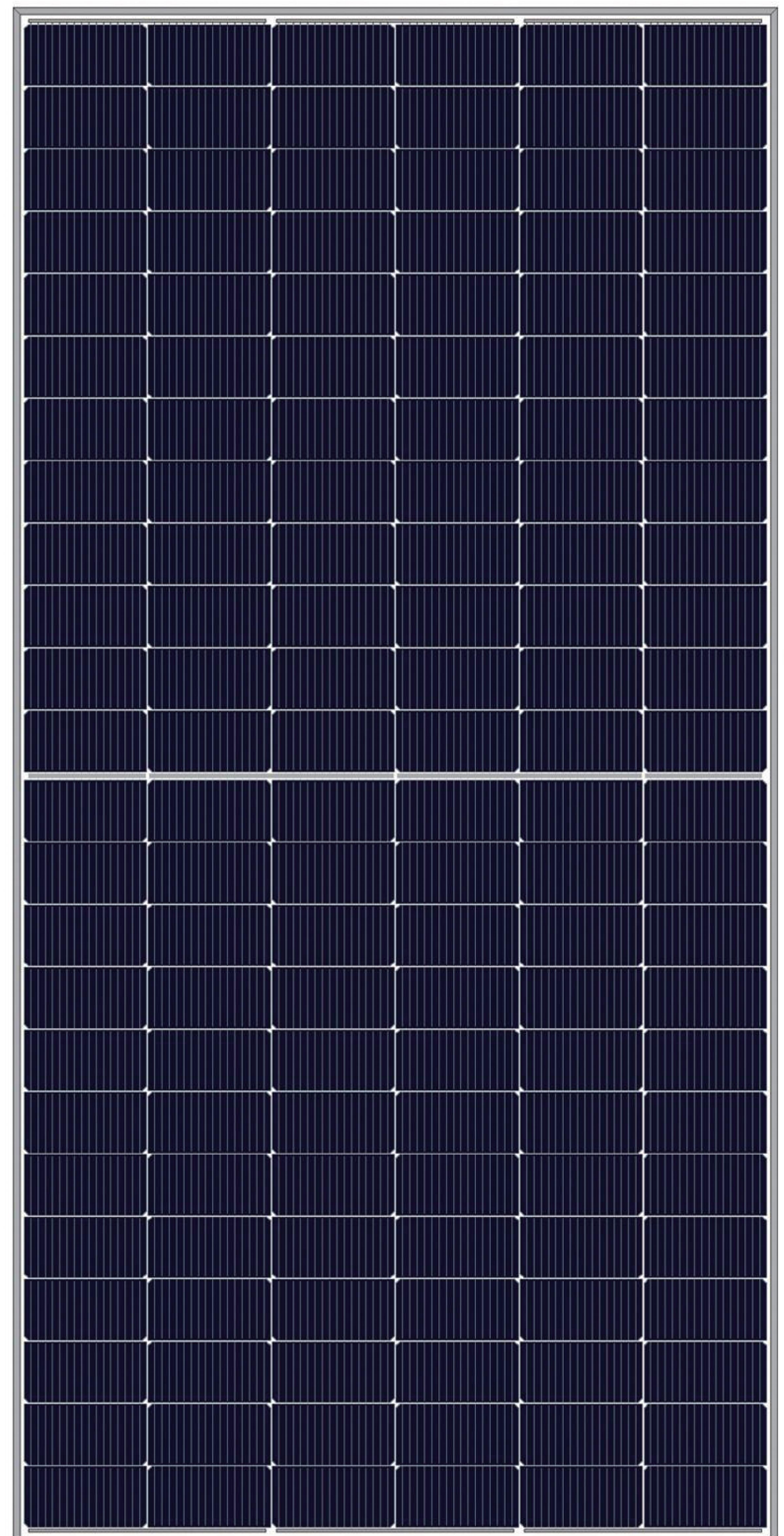
30 YEAR LINEARITY
POWER
OUTPUT WARRANTY



25 YEARS OF EXCELLENT
PRODUCTS MATERIAL
AND PROCESS WARRANTY



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



CQC TUV CE MCS UKCA

IEC 61215, IEC 61730

ISO 9001:Quality Management System

ISO 14001:Environmental Management System

ISO 45001:Occupational Health And Safety Management System



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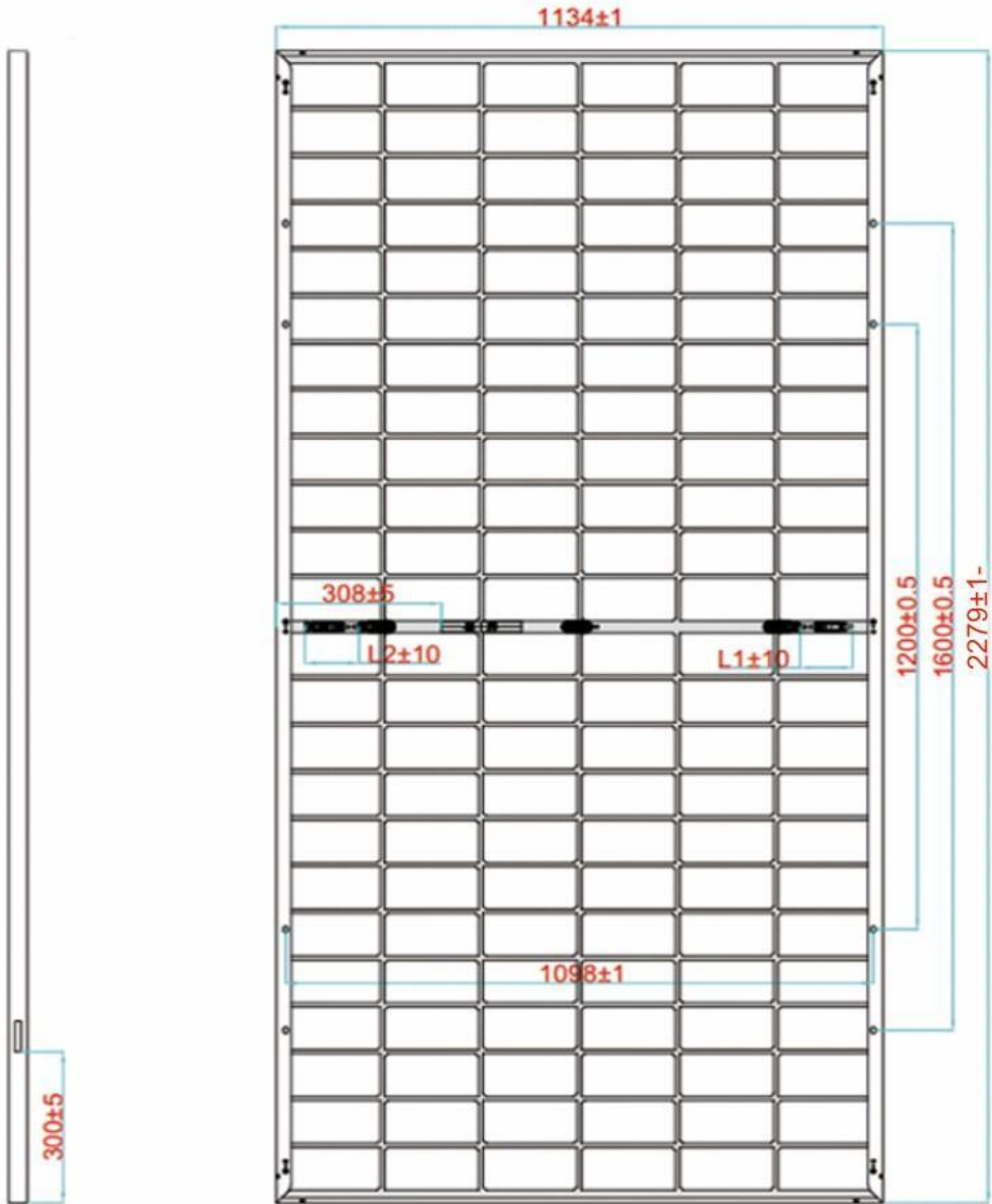
Maximum efficiency	Power tolerance	Highest component conversion efficiency	First year attenuation	Decay over the years
610W	0~+5W	23.60%	≤1.0%	≤0.4%

MECHANICAL PROPERTIES

Battery type	Monocrystalline-N-type
Component weight	31kg
Component Size	2279×1134×30mm
Number of Cells	144(6x24)
Cable cross-sectional area	4mm²
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2
Packaging information	36 pieces/pallet 720 pieces /40 'container

WORKING PARAMETERS

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



TEMPERATURE CHARACTERISTICS

Power	-0.290%/℃
Open circuit voltage	-0.250%/℃
Short-circuit current	0.044%/℃

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

Modle	DHM72D30 -580/TP	DHM72D30 -585/TP	DHM72D30 -590/TP	DHM72D30 -595/TP	DHM72D30 -600/TP	DHM72D30 -605/TP	DHM72D30 -610/TP
Maximum power (W)	580	585	590	595	600	605	610
Voltage at maximum power point (VMP/V)	44.45	44.75	45.05	45.25	45.45	45.65	45.85
Current at maximum power point (IMP/A)	13.05	13.07	13.10	13.15	13.20	13.25	13.30
Open circuit voltage (VOC/V)	52.10	52.30	52.50	52.70	52.90	53.10	53.30
Short circuit current (ISC/A)	14.31	14.37	14.41	14.47	14.53	14.59	14.65
Component efficiency [%]	22.44%	22.64%	22.83%	23.02%	23.22%	23.41%	23.60%
Power tolerance (W)	0~+5						
Standard test environment	Irradiance 1000W/m², cell temperature 25℃, 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.

BIFACIAL OUTPUT - BACKSIDE POWER GAIN

Modle	DHM72D30 -580/TP	DHM72D30 -585/TP	DHM72D30 -590/TP	DHM72D30 -595/TP	DHM72D30 -600/TP	DHM72D30 -605/TP	DHM72D30 -610/TP
5% Power output	609	614	620	625	630	635	641
Module Efficiency	23.56%	23.77%	23.97%	24.17%	24.38%	24.58%	24.78%
10% Power output	638	644	649	655	660	666	671
Module Efficiency	24.69%	24.90%	25.11%	25.33%	25.54%	25.75%	25.96%
20% Power output	696	702	708	714	720	726	732
Module Efficiency	26.93%	27.16%	27.40%	27.63%	27.86%	28.09%	28.32%