

Maximum efficiency

585W

Power tolerance

0~+5W

Highest component conversion efficiency

22.64%

First year attenuation

≤1.0%

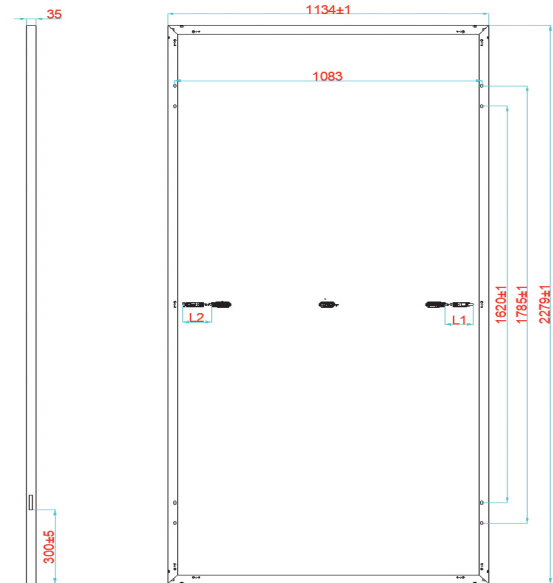
Decay over the years

≤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						