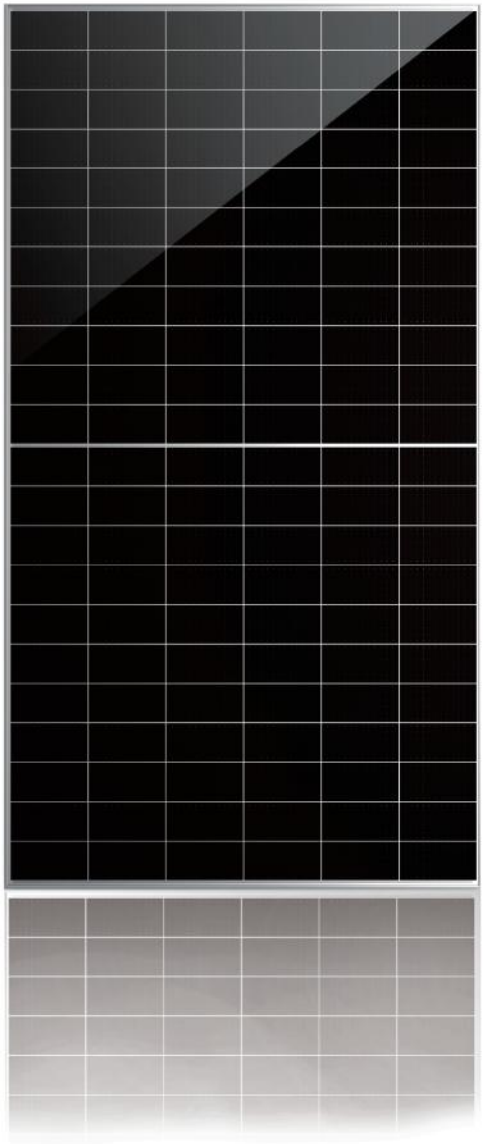
DAHAI SOLAR

Monocrystalline module

DHM66T50-MR

645-670W

High efficiency monocrystalline module



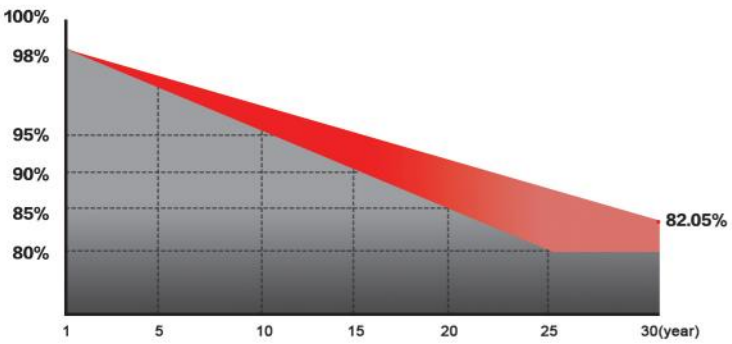
- Using 210, 12BB efficient monocrystalline silicon cells, the output power up to 670W, the conversion rate reached 21.57%
- High power module designed for large and medium scale solar power station project, striving for high efficiency
- Fully automatic production line with full quality inspection to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

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

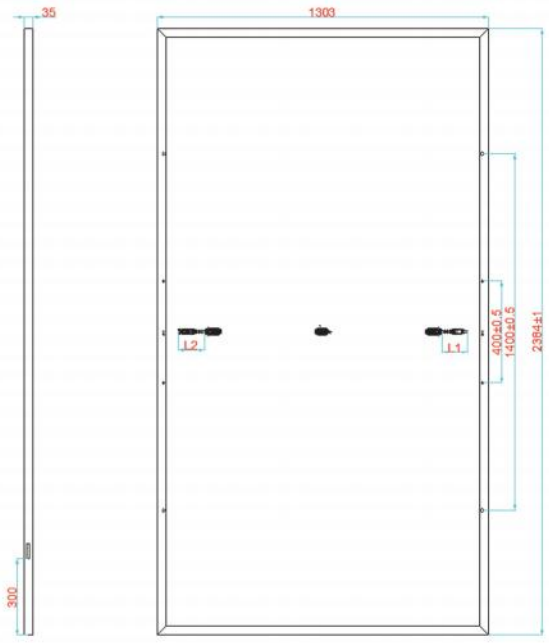
DAHAI SOLAR

DHM66T50-MR 645-670W

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	4mm²
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℃~+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	-0.340%/℃
Open circuit voltage	-0.253%/℃
Short-circuit current	0.040%/℃

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/㎡, 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.

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/㎡, ambient temperature20℃, spectrum AM1.5G, wind speed 1m/s					