

DHM66D50-TP

685-710W

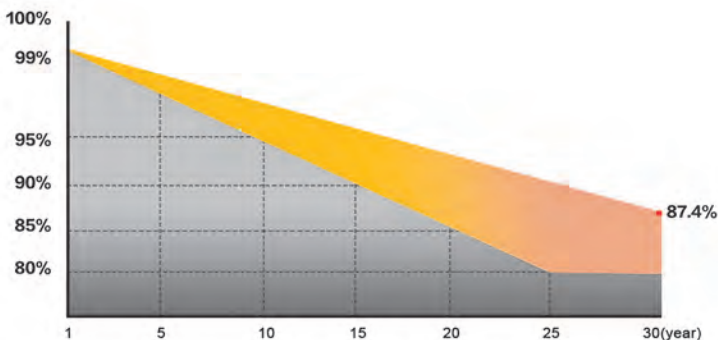
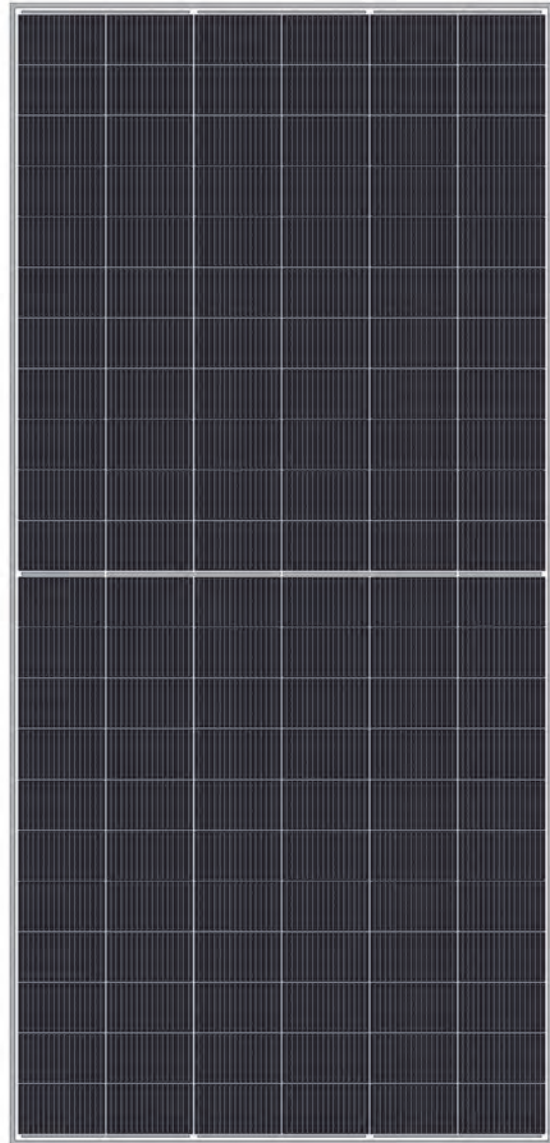
Ultra-high power 210 N-TOPCon
Double-sided double-glass solar module

- High performance 210+N-Type TOPCon 16BB silicon cells, with a conversion efficiency upto 22.86%.
- Excellent low-light power generation performance, dual-glass back surface increases power output by 20%.
- 18 main grid cells for more stable power output, dual-core characteristics effectively resist shadow shading.
- Reduced internal electrical performance loss, low operating temperature of components, strong resistance to hot spot.
- Fully automatic production line with full quality inspection to ensure product assurance.

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 YEARS
30 YEAR LINEARITY POWER OUTPUT WARRANTY

25 YEARS
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



info@dahaisolar.de
Website: www.dahaisolar.com

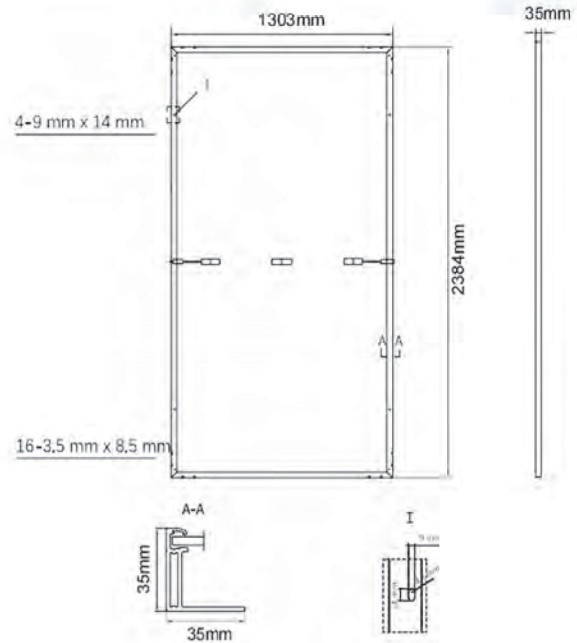
| | | | | |
|-----------------|-----------------|---|------------------------|----------------------|
| Power range | Power tolerance | Highest component conversion efficiency | First year attenuation | Decay over the years |
| 685~710W | 0~+5W | 22.86% | ≤ 1.0% | ≤ 0.4% |

MECHANICAL PROPERTIES

| | |
|----------------------------|---|
| Battery type | 210 N-Type TOPCon |
| Component weight | 38kg |
| Component Size | 2382×1303×35mm |
| 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 (TUV) |
| Operating temperature | -40°C~ +85°C |
| Maximum fuse current rating | 35A |
| Maximum static load, front | 5400pa |
| Maximum static load, back side | 2400pa |
| nominal battery operating temperature | 45±2°C |
| Application Level | classA |


TEMPERATURE CHARACTERISTICS

| | |
|-----------------------|-----------|
| Power | -0.30%/°C |
| Open circuit voltage | -0.25%/°C |
| Short-circuit current | 0.04%/°C |

ELECTRICAL PERFORMANCE PARAMETERS UNDER STC

| Model | DHM66D50 -685/TP | DHM66D50 -690/TP | DHM66D50 -695/TP | DHM66D50 -700/TP | DHM66D50 -705/TP | DHM66D50 -710/TP |
|--|---|---------------------|---------------------|---------------------|---------------------|---------------------|
| Maximum power (W) | 685 | 690 | 695 | 700 | 705 | 710 |
| Voltage at maximum power point (VMP/V) | 39.75 | 40.00 | 40.25 | 40.50 | 40.75 | 41.00 |
| Current at maximum power point (IMP/A) | 17.23 | 17.25 | 17.27 | 17.28 | 17.30 | 17.32 |
| Open circuit voltage (VOC/V) | 47.60 | 47.90 | 48.20 | 48.50 | 48.80 | 49.10 |
| Short circuit current (ISC/A) | 18.25 | 18.28 | 18.31 | 18.34 | 18.37 | 18.40 |
| Component efficiency [%] | 22.05% | 22.21% | 22.37% | 22.53% | 22.70% | 22.86% |
| 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.

BIFACIAL OUTPUT - BACKSIDE POWER GAIN

| Model | DHM66D50 -685/TP | DHM66D50 -690/TP | DHM66D50 -695/TP | DHM66D50 -700/TP | DHM66D50 -705/TP | DHM66D50 -710/TP |
|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 5% Power output | 719 | 725 | 730 | 735 | 740 | 746 |
| Module Efficiency | 23.15% | 23.32% | 23.49% | 23.66% | 23.83% | 24.00% |
| 10% Power output | 754 | 759 | 765 | 770 | 776 | 781 |
| Module Efficiency | 24.26% | 24.43% | 24.61% | 24.79% | 24.96% | 25.14% |
| 20% Power output | 822 | 828 | 834 | 840 | 846 | 852 |
| | 26.46% | 26.66% | 26.85% | 27.04% | 27.23% | 27.43% |