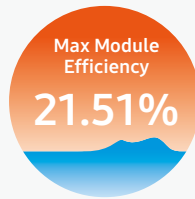
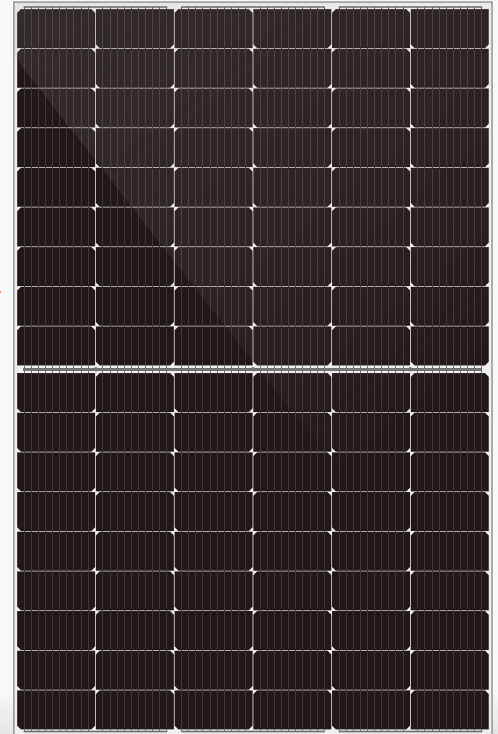


DHM-54X10

0~+5W

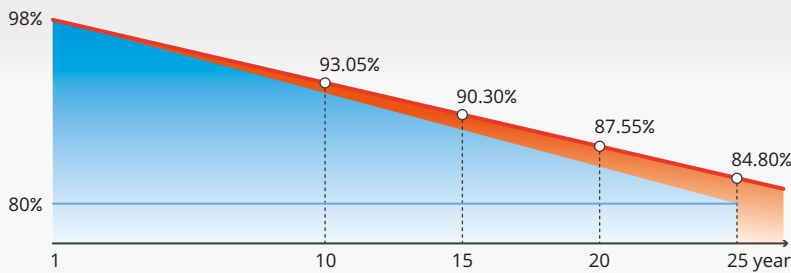
**390~420W**

Half-Cell High Efficiency PV Module



### Quality Guarantee

12-Year material & technology warranty  
25-Year linear power output warranty



DAH Solar linear power output guarantee  
Standard linear power output guarantee

**More Power Generation**  
Larger size of light receiving area and higher module conversion efficiency

**10 Busbar Technology**  
Higher power collection density improves power generation

**Stable Generation Performance**  
Guaranteed 0~+5W positive tolerance and slower power attenuation:  
first year ≤2%, 0.55% per year from 2-25

**Higher Power Gains and Lower Losses**  
Excellent low irradiance performance and low shadow loss

**Process Optimized and Upgraded**  
Lower risk of hot spot and stronger anti-PID ability

**Strong Environmental Adaptability and Great Durability**  
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal)

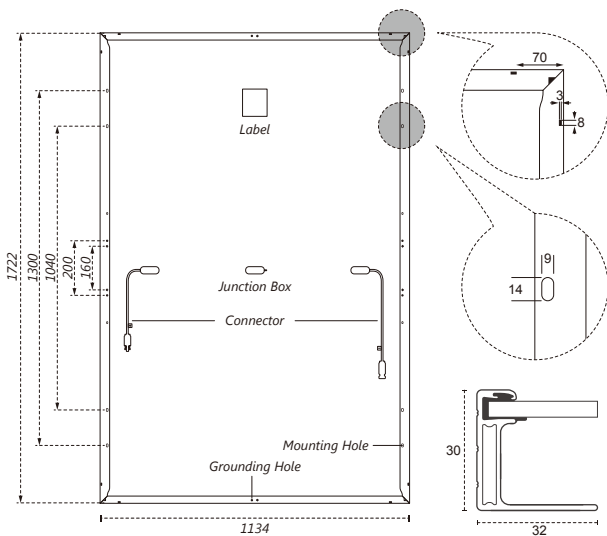
### Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO  
ISO 45001-  
2018/International standards for occupational health & safety  
ISO 14001-  
2015/Standards for environmental management system  
ISO 9001-  
2015/Quality management system

# DHM-54X10 390~420W

## Design



## Mechanical Specification

Cells Type  
**Mono 182×91mm**

Weight  
**22kg**

Output Cable  
(Including connector)  
No. of Cells  
Glass  
Junction box  
Connector

Dimension (L×W×T)  
**1722×1134×30mm**

Packing  
**36pcs/pallet, 936pcs/40HQ**

4.0mm<sup>2</sup>, 300/400mm in length,  
length can be customized  
108 (6×18)  
3.2mm High Transmission, Antireflection Coating  
IP68, 3 Bypass Diodes  
MC4 Compatible

## Operating Parameters

|                                    |             |
|------------------------------------|-------------|
| Maximum system voltage             | 1500V DC    |
| Operating Temperature              | -40 ~ +85°C |
| Maximum series fuse rating         | 25A         |
| Snow load, frontside               | 5400Pa      |
| Wind load, backside                | 2400Pa      |
| Nominal operating cell temperature | 45°C±2°C    |
| Application level                  | Class A     |

## STC-Electrical Characteristics

| Module Type                     | DHM-54X10 |       |       |       |       |       |       |
|---------------------------------|-----------|-------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W)          | 390       | 395   | 400   | 405   | 410   | 415   | 420   |
| Open-circuit Voltage (Voc/V)    | 36.4      | 34.6  | 36.8  | 37.0  | 37.2  | 37.4  | 37.6  |
| Maximum Power Voltage (Vmp/V)   | 30.9      | 31.1  | 31.3  | 31.5  | 31.7  | 31.9  | 32.1  |
| Short-circuit Current (Isc/A)   | 13.40     | 13.42 | 13.48 | 13.54 | 13.60 | 13.66 | 13.72 |
| Maximum Power Current (Imp/A)   | 12.60     | 12.69 | 12.77 | 12.85 | 12.92 | 13.00 | 13.07 |
| Module Efficiency (%)           | 19.97     | 20.23 | 20.48 | 20.74 | 21.00 | 21.25 | 21.51 |
| Temperature Coefficient of Isc  | 0.05%/°C  |       |       |       |       |       |       |
| Temperature Coefficient of Voc  | -0.31%/°C |       |       |       |       |       |       |
| Temperature Coefficient of Pmax | -0.35%/°C |       |       |       |       |       |       |

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT-Electrical Characteristics

|                               |       |       |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W)        | 290   | 294   | 298   | 301   | 305   | 309   | 312   |
| Open-circuit Voltage (Voc/V)  | 34.1  | 34.3  | 34.5  | 34.7  | 34.9  | 35.1  | 35.3  |
| Maximum Power Voltage (Vmp/V) | 29.0  | 29.2  | 29.4  | 29.6  | 29.8  | 29.9  | 30.1  |
| Short-circuit Current (Isc/A) | 10.79 | 10.84 | 10.89 | 10.94 | 10.99 | 11.04 | 11.09 |
| Maximum Power Current (Imp/A) | 10.01 | 10.07 | 10.13 | 10.19 | 10.25 | 10.31 | 10.38 |

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve (DHM-54X10-420W)

