



DHM-54X10/FS  
**390~420W**

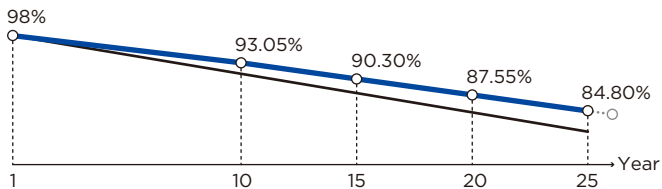
# Full Screen

**NO RESIDUE OF WATER & DUST**

Silver Frame or Full Black design are customizable >>>

## Quality Guarantee

- 12-year → Material & technology warranty
- 25-year → Linear power output warranty



- DAH Solar Linear power output guarantee
- Standard Linear power output guarantee

## Comprehensive Products & 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



Increase power generation by 6.15%+  
Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk.



Curved Surface 128° R Angle  
Reduce holding pressure by 75%+  
Curved Frame with ergonomic Design, optimized Delivery and Installation Experience.



Revolutionary Packaging Technology  
Using excellent frame packaging technology,  
Strong Adhesion, Durable in Use.



Excellent mechanical load capacity  
Certified by Dust-Sand, Salt-Mist, Ammonia etc.  
weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal).

# DHM-54X10/FS

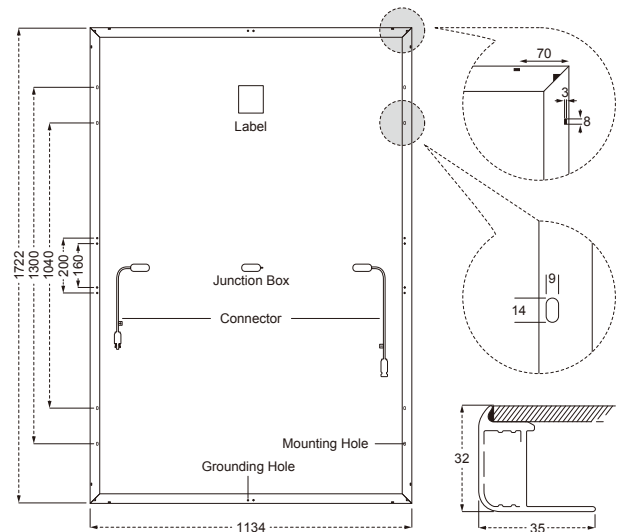
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## Mechanical Specification

|                          |   |
|--------------------------|---|
| Cable                    | 4.0mm <sup>2</sup> , 300/400mm in length,       |
| (Including connector)    | length can be customized                        |
| No.of Cells              | 108 (6×18)                                      |
| Glass                    | 3.2mm High Transmission, Antireflection Coating |
| Junction box             | IP68, 3 Bypass Diodes                           |
| Connector                | MC4 Compatible                                  |
| <b>Weight</b>            | <b>22kg</b>                                     |
| <b>Cells Type</b>        | <b>Mono 182×91mm</b>                            |
| <b>Dimension (L×W×T)</b> | <b>1722×1134×32mm</b>                           |
| <b>Packing</b>           | <b>34pcs/pallet, 884pcs/40HQ</b>                |

## Design



## Operating Parameters

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

## STC — Electrical Characteristics

| Module Type                   | DHM-54X10/FS |       |       |       |       |       |       |
|-------------------------------|--------------|-------|-------|-------|-------|-------|-------|
| 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 |

Power Tolerance: 0~+5, W 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/FS-420W)

