

DHM-54X10-410W

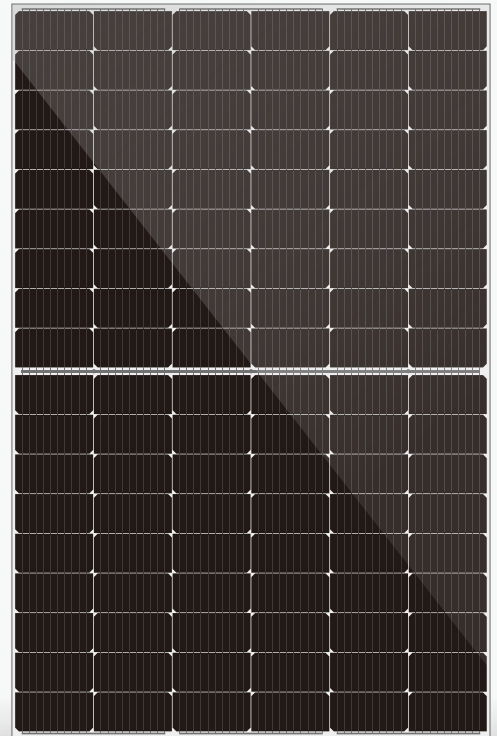
0~+5W

# 410W

Half-Cell High Efficiency PV Module

**Fire safety class:**

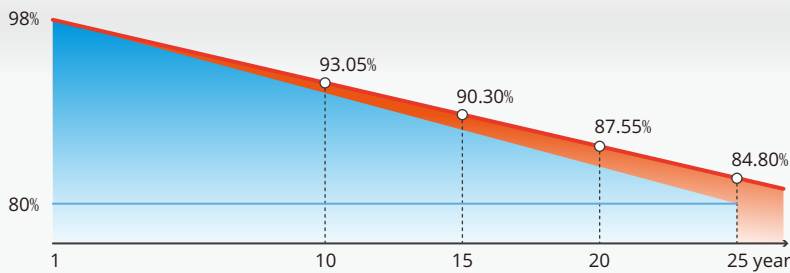
Class C according to ANSI/UL 1703-2018(as per ANSI/UL 790-2018)



## Quality Guarantee

25-Year material & technology warranty

25-Year linear power output warranty



DAH Solar linear power output guarantee

Standard linear power output guarantee

\*Subject to the terms and conditions contained in the applicable Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.

**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**

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

## Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

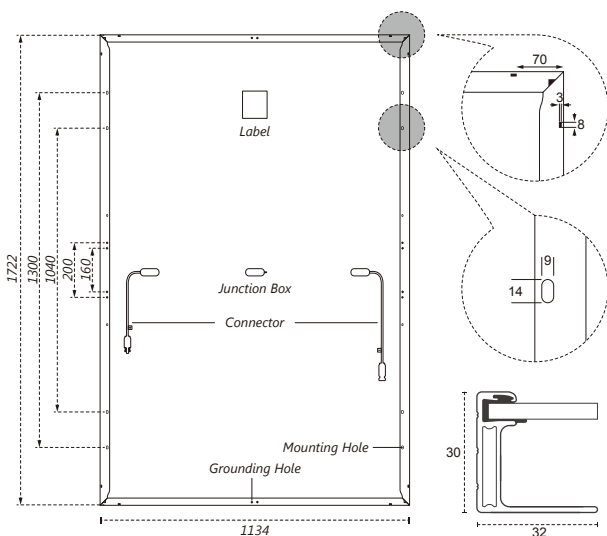
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

# DHM-54X10-410W

## Design



## Mechanical Specification

<b>Cells Type</b> Mono 182×91mm	<b>Dimension (L×W×T)</b> 1722×1134×30mm
<b>Weight</b> 22kg	<b>Packing</b> 36pcs/pallet, 936pcs/40HQ
<b>Output Cable</b> (Including connector)	4.0mm <sup>2</sup> , 300/400mm in length, length can be customized
<b>No. of Cells</b>	108 (6×18)
<b>Glass</b>	3.2mm High Transmission, Antireflection Coating
<b>Junction box</b>	IP68, 3 Bypass Diodes
<b>Connector</b>	PV5e, Changshu Friends Connector Technology Co.,Ltd, Customized Connectors

## Operating Parameters

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

## STC-Electrical Characteristics

Module Type	DHM-54X10
Maximum Power (Pmax/W)	410
Open-circuit Voltage (Voc/V)	37.2
Maximum Power Voltage (Vmp/V)	31.7
Short-circuit Current (Isc/A)	13.60
Maximum Power Current (Imp/A)	12.92
Module Efficiency (%)	21.00
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Voc	-0.31%/°C
Temperature Coefficient of Pmax	-0.35%/°C

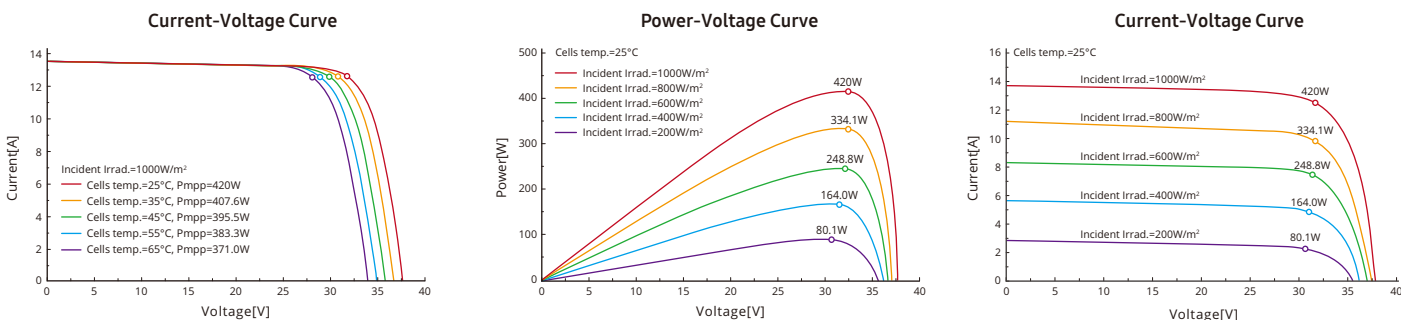
Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5      Tolerances : Pmax=±3%, Voc=±3%, Isc=±3%

## NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	305
Open-circuit Voltage (Voc/V)	34.9
Maximum Power Voltage (Vmp/V)	29.8
Short-circuit Current (Isc/A)	10.99
Maximum Power Current (Imp/A)	10.25

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)



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