



DHM-54X10/FS

415W

Fire safety class:

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

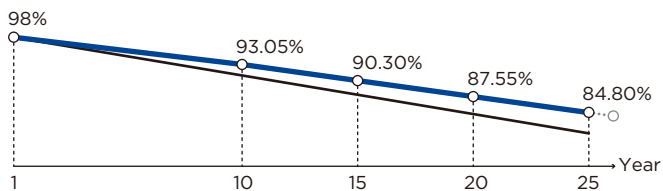
Full Screen

No Dust and Dirt on the Surface Increases Power Generation

Quality Guarantee

25-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

* 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.



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 Assembling Technology
Using excellent frame assembling technology,
Strong Adhesion, Durable in Use.



Excellent mechanical load capacity
weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa).

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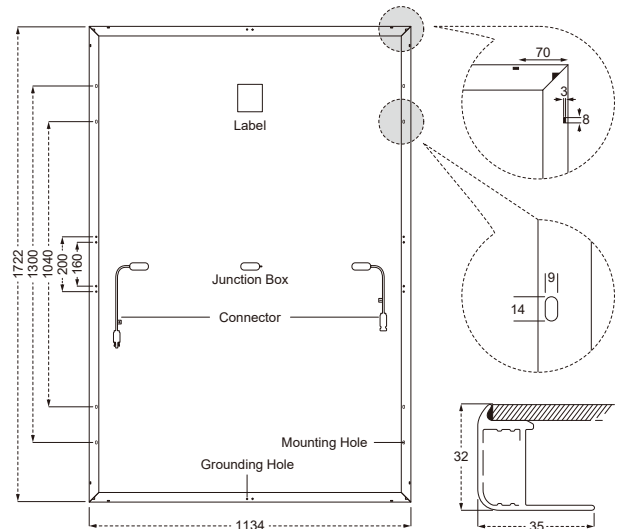
415W



Mechanical Specification

Cable	4.0mm ² , 350/250mm 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	PV5e, Changshu Friends Connector Technology Co.,Ltd Customized Connectors
Weight	22kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

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 (P _{max} /W)	415
Open-circuit Voltage (V _{oc} /V)	37.4
Maximum Power Voltage (V _{mp} /V)	31.9
Short-circuit Current (I _{sc} /A)	13.66
Maximum Power Current (I _{mp} /A)	13.00
Module Efficiency (%)	21.25

Power Tolerance: 0~+5W, Temperature Coefficient of I_{sc}: 0.05%/°C, Temperature Coefficient of V_{oc}: -0.31%/°C, Temperature Coefficient of P_{max}: -0.35%/°C

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5 Tolerances: P_{max}=±3%, V_{oc}=±3%, I_{sc}±3%

NOCT — Electrical Characteristics

Maximum Power (P _{max} /W)	309
Open-circuit Voltage (V _{oc} /V)	35.1
Maximum Power Voltage (V _{mp} /V)	29.9
Short-circuit Current (I _{sc} /A)	11.04
Maximum Power Current (I _{mp} /A)	10.31

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve

