

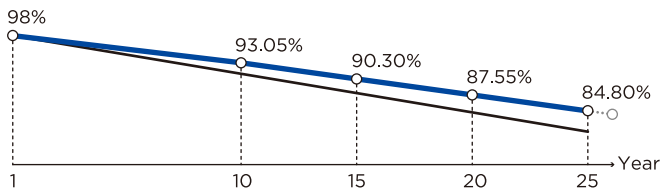
DHM-54X10/FS(BB)
395~410W

Full Screen

No Dust and Dirt on the Surface Increases Power Generation

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



No Water & Dust Accumulation, Increases Power Generation by 6-15%

Full-Screen PV Module has front frameless design, which decreases power loss and the O&M expenditures caused by the bottom dust shading.



Applied to All Mounting Scenarios

Full-Screen PV Module could apply to all the application scenarios, and the smaller angles of inclination, the higher power generation.



Preminent Weather Resistance

Certified by Dust-Sand Test, Salt Spray Test, Ammonia Test, which allows the module to keep an excellent performance under the extreme weather conditions.



±0.1mm Production Accuracy Technology

Using excellent frame sealing technology makes the production accuracy achieve ±0.1mm to ensure the IP68 Waterproof and the mechanical load (front side: 5400Pa; back side: 2400Pa) . The ruggedness could compare with the architectural curtain wall.



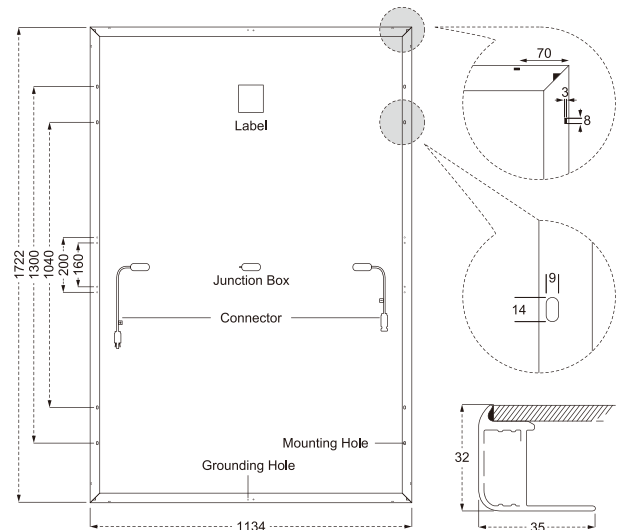
Mechanical Specification

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	MC4 Compatible
Weight	22kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

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

Design



STC — Electrical Characteristics

Module Type	DHM-54X10/FS(BB)			
Maximum Power (Pmax/W)	395	400	405	410
Open-circuit Voltage (Voc/V)	36.6	36.8	37.0	37.2
Maximum Power Voltage (Vmp/V)	31.1	31.3	31.5	31.7
Short-circuit Current (Isc/A)	13.42	13.48	13.54	13.60
Maximum Power Current (Imp/A)	12.69	12.77	12.85	12.92
Module Efficiency (%)	20.23	20.48	20.74	21.00

Power Tolerance: 0~+5W, 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/m², Cell temperature 25°C, Spectrum AM1.5

NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	294	298	301	305
Open-circuit Voltage (Voc/V)	34.3	34.5	34.7	34.9
Maximum Power Voltage (Vmp/V)	29.2	29.4	29.6	29.8
Short-circuit Current (Isc/A)	10.84	10.89	10.94	10.99
Maximum Power Current (Imp/A)	10.07	10.13	10.19	10.25

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

I-V Curve DHM-54X10/FS(BB)-410W

