



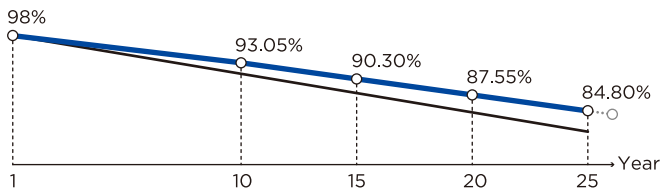
DHM-54X10/FS(BW)
400~415W

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.

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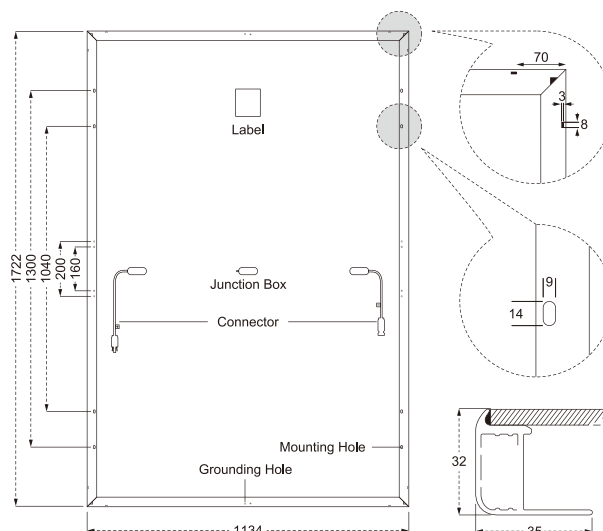
Mechanical Specification

| | |
|-----------------------|---|
| 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(BW) | | | |
|--|------------------|-------|-------|-------|
| Maximum Power (P _{max} /W) | 400 | 405 | 410 | 415 |
| Open-circuit Voltage (V _{oc} /V) | 36.8 | 37.0 | 37.2 | 37.4 |
| Maximum Power Voltage (V _{mp} /V) | 31.3 | 31.5 | 31.7 | 31.9 |
| Short-circuit Current (I _{sc} /A) | 13.48 | 13.54 | 13.60 | 13.66 |
| Maximum Power Current (I _{mp} /A) | 12.77 | 12.85 | 12.92 | 13.00 |
| Module Efficiency (%) | 20.48 | 20.74 | 21.00 | 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

NOCT — Electrical Characteristics

| | | | | |
|--|-------|-------|-------|-------|
| Maximum Power (P _{max} /W) | 298 | 301 | 305 | 309 |
| Open-circuit Voltage (V _{oc} /V) | 34.5 | 34.7 | 34.9 | 35.1 |
| Maximum Power Voltage (V _{mp} /V) | 29.4 | 29.6 | 29.8 | 29.9 |
| Short-circuit Current (I _{sc} /A) | 10.89 | 10.94 | 10.99 | 11.04 |
| Maximum Power Current (I _{mp} /A) | 10.13 | 10.19 | 10.25 | 10.31 |

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

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

