



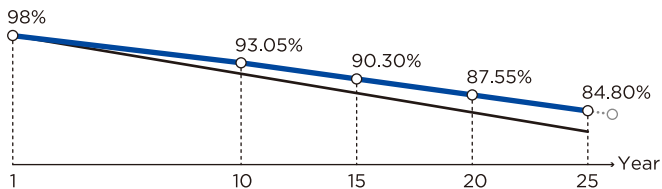
DHM-54X10/FS(BW)  
**400~415W**

# 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.

# DHM-54X10/FS(BW)

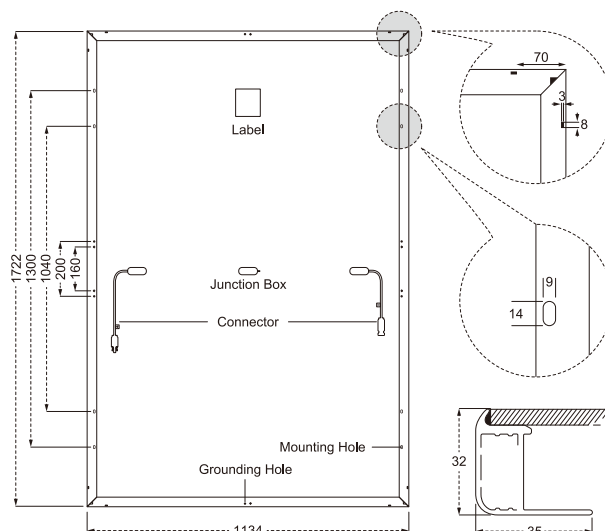
# 400~415W



## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 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

## 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(BW)			
Maximum Power (P <sub>max</sub> /W)	400	405	410	415
Open-circuit Voltage (V <sub>oc</sub> /V)	36.8	37.0	37.2	37.4
Maximum Power Voltage (V <sub>mp</sub> /V)	31.3	31.5	31.7	31.9
Short-circuit Current (I <sub>sc</sub> /A)	13.48	13.54	13.60	13.66
Maximum Power Current (I <sub>mp</sub> /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<sub>sc</sub>: 0.05%/°C, Temperature Coefficient of V<sub>oc</sub>: -0.31%/°C, Temperature Coefficient of P<sub>max</sub>: -0.35%/°C

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

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

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(BW)-410W

