

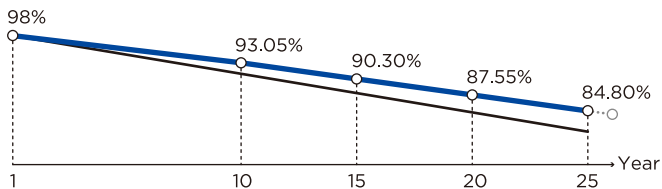
DHM-72X10/FS(BW)
540~555W

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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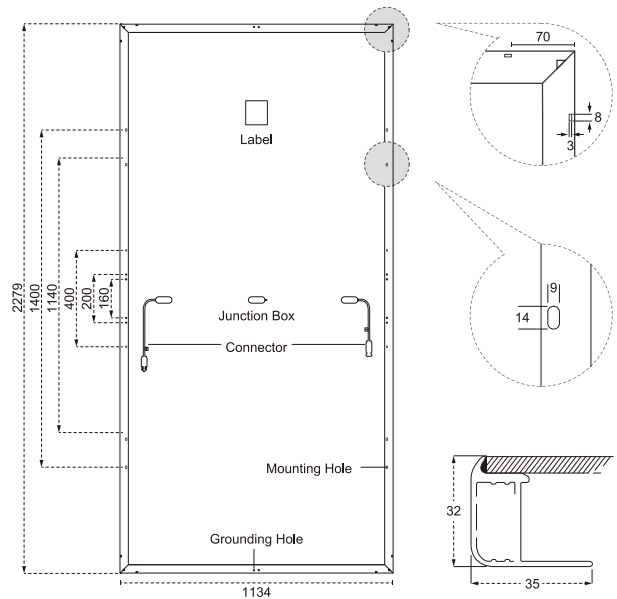
540~555W



Mechanical Specification

Cable	4.0mm ² , 350/250mm in length,
(Including connector)	length can be customized
No.of Cells	144 (6×24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	29kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	2279×1134×32mm
Packing	34pcs/pallet, 680pcs/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-72X10/FS(BW)			
Maximum Power (Pmax/W)	540	545	550	555
Open-circuit Voltage (Voc/V)	49.8	50.0	50.2	50.4
Maximum Power Voltage (Vmp/V)	42.0	42.2	42.4	42.6
Short-circuit Current (Isc/A)	13.66	13.72	13.78	13.84
Maximum Power Current (Imp/A)	12.86	12.91	12.97	13.03
Module Efficiency (%)	20.89	21.09	21.30	21.48

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)	402	405	409	413
Open-circuit Voltage (Voc/V)	46.7	46.9	47.1	47.3
Maximum Power Voltage (Vmp/V)	39.4	39.6	39.8	40.0
Short-circuit Current (Isc/A)	11.04	11.09	11.13	11.18
Maximum Power Current (Imp/A)	10.20	10.24	10.29	10.33

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

I-V Curve DHM-72X10/FS(BW)-550W

