



DHM-54X10/FS
390~420W

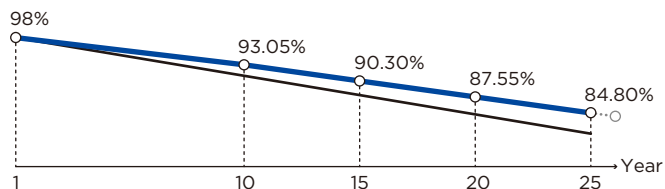
Full Screen

NO RESIDUE OF WATER & DUST

Silver Frame or Full Black design are customizable >>>

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



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 Packaging Technology
Using excellent frame packaging technology,
Strong Adhesion, Durable in Use.



Excellent mechanical load capacity
Certified by Dust-Sand, Salt-Mist, Ammonia etc.
weather resistance tests and enhanced mechanical
load: wind load (2400 Pascal) and snow load (5400 Pascal).

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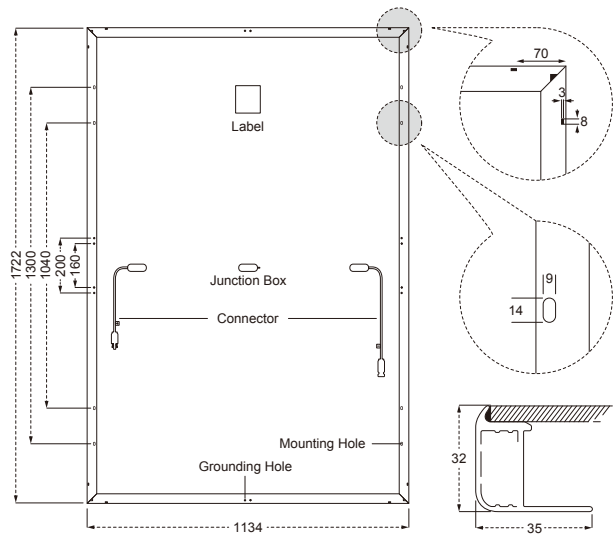
Mechanical Specification

Cable	4.0mm ² , 300/400mm 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						
Maximum Power (P _{max} /W)	390	395	400	405	410	415	420
Open-circuit Voltage (V _{oc} /V)	36.4	34.6	36.8	37.0	37.2	37.4	37.6
Maximum Power Voltage (V _{mp} /V)	30.9	31.1	31.3	31.5	31.7	31.9	32.1
Short-circuit Current (I _{sc} /A)	13.40	13.42	13.48	13.54	13.60	13.66	13.72
Maximum Power Current (I _{mp} /A)	12.60	12.69	12.77	12.85	12.92	13.00	13.07
Module Efficiency (%)	19.97	20.23	20.48	20.74	21.00	21.25	21.51

Power Tolerance: 0~+5, W 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)	290	294	298	301	305	309	312
Open-circuit Voltage (V _{oc} /V)	34.1	34.3	34.5	34.7	34.9	35.1	35.3
Maximum Power Voltage (V _{mp} /V)	29.0	29.2	29.4	29.6	29.8	29.9	30.1
Short-circuit Current (I _{sc} /A)	10.79	10.84	10.89	10.94	10.99	11.04	11.09
Maximum Power Current (I _{mp} /A)	10.01	10.07	10.13	10.19	10.25	10.31	10.38

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

I-V Curve (DHM-54X10/FS-420W)

