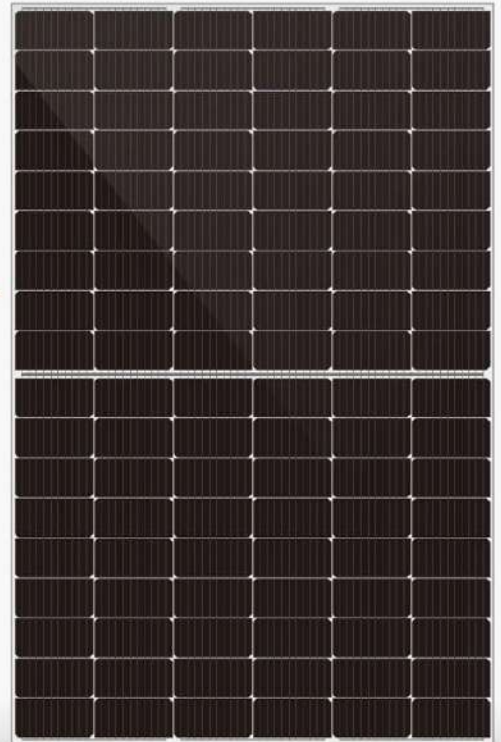


DHM-54X10

0~+5W

390~420W

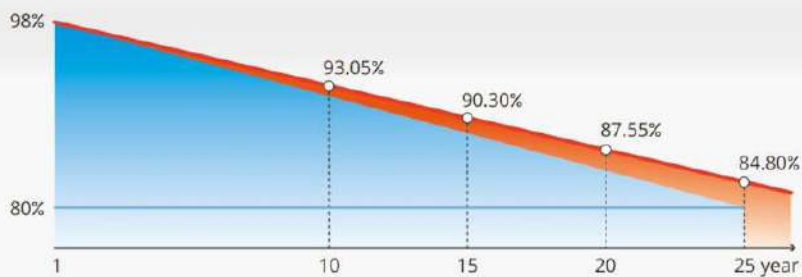
Half-Cell High Efficiency PV Module



Quality Guarantee

12-Year material & technology warranty

25-Year linear power output warranty




DAH Solar linear power output guarantee
Standard linear power output guarantee

 **More Power Generation**
Larger size of light receiving area and higher module conversion efficiency

 **10 Busbar Technology**
Higher power collection density improves power generation

 **Stable Generation Performance**
Guaranteed 0~+5W positive tolerance and slower power attenuation:
first year $\leq 2\%$, 0.55% per year from 2-25

 **Higher Power Gains and Lower Losses**
Excellent low irradiance performance and low shadow loss

 **Process Optimized and Upgraded**
Lower risk of hot spot and stronger anti-PID ability

 **Strong Environmental Adaptability and Great Durability**
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and
enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal)

Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

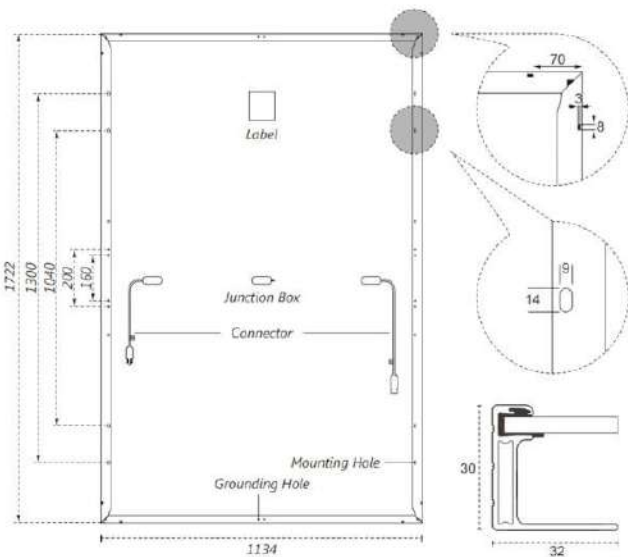
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-54X10 390~420W

Design



Mechanical Specification

Cells Type	Dimension (L×W×T)
Mono 182×91mm	1722×1134×30mm
Weight	Packing
22kg	36pcs/pallet, 936pcs/40HQ
Output Cable (Including connector)	4.0mm ² , 300/400mm in length, 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

Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

STC-Electrical Characteristics

Module Type	DHM-54X10							▼
Maximum Power (Pmax/W)	390	395	400	405	410	415	420	
Open-circuit Voltage (Voc/V)	36.4	34.6	36.8	37.0	37.2	37.4	37.6	
Maximum Power Voltage (Vmp/V)	30.9	31.1	31.3	31.5	31.7	31.9	32.1	
Short-circuit Current (Isc/A)	13.40	13.42	13.48	13.54	13.60	13.66	13.72	
Maximum Power Current (Imp/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	
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

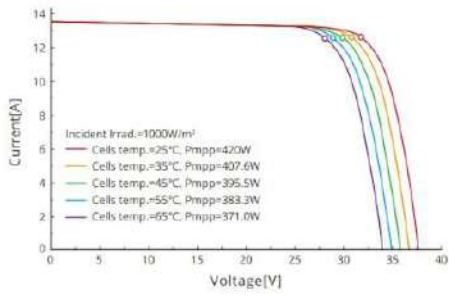
NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	290	294	298	301	305	309	312	
Open-circuit Voltage (Voc/V)	34.1	34.3	34.5	34.7	34.9	35.1	35.3	
Maximum Power Voltage (Vmp/V)	29.0	29.2	29.4	29.6	29.8	29.9	30.1	
Short-circuit Current (Isc/A)	10.79	10.84	10.89	10.94	10.99	11.04	11.09	
Maximum Power Current (Imp/A)	10.01	10.07	10.13	10.19	10.25	10.31	10.38	

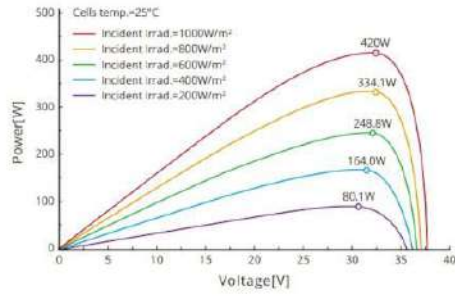
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

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

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

