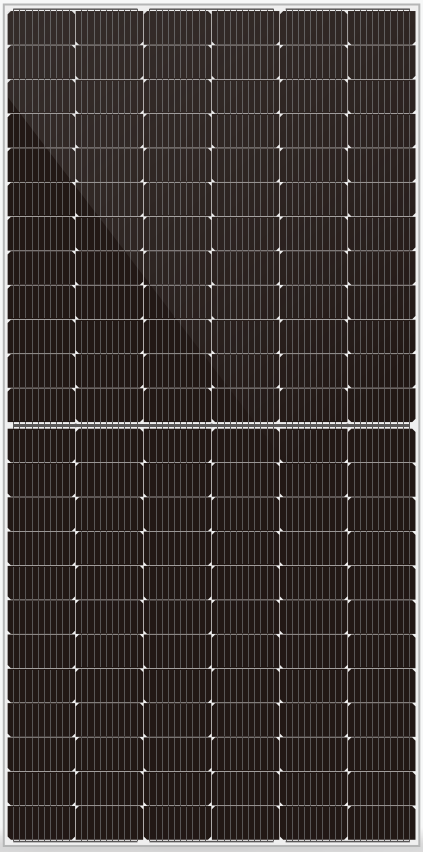
DAH Solar

DHM-72X10

0~+5W

525~560W

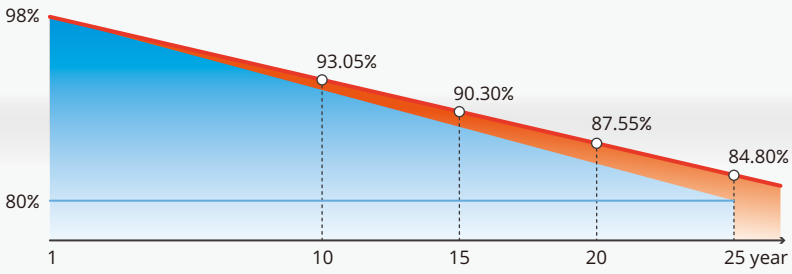
Half-Cell High Efficiency PV Module



Max Module Efficiency 21.67%

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 ≤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 ablity

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

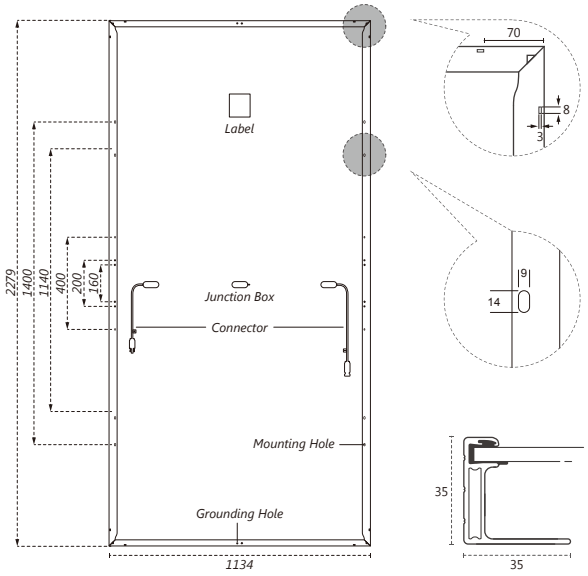
ISO 45001-
2018/International standards for occupational health & safety

ISO 14001-
2015/Standards for environmental management system

ISO 9001-
2015/Quality management system

DHM-72X10 **525~560W**

Design



Mechanical Specification

Cells Type	**Dimension (L×W×T)**
Mono 182×91mm	**2279×1134×35mm**
Weight	**Packing**
29kg	**31pcs/pallet, 620pcs/40HQ**
Output Cable (Including connector)	4.0mm², 300/400mm in length, 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

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-72X10**							
Maximum Power (Pmax/W)	525	530	535	540	545	550	555	560
Open-circuit Voltage (Voc/V)	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6
Maximum Power Voltage (Vmp/V)	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8
Short-circuit Current (Isc/A)	13.48	13.54	13.60	13.66	13.72	13.78	13.84	13.90
Maximum Power Current (Imp/A)	12.68	12.74	12.80	12.86	12.91	12.97	13.03	13.08
Module Efficiency (%)	20.31	20.51	20.70	20.89	21.09	21.28	21.48	21.67
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

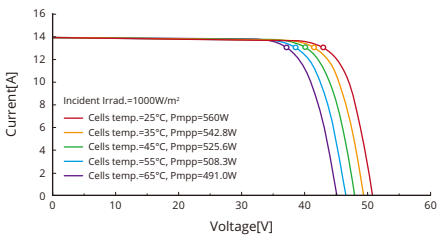
NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	391	394	398	402	405	409	413	417
Open-circuit Voltage (Voc/V)	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.5
Maximum Power Voltage (Vmp/V)	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.1
Short-circuit Current (Isc/A)	10.89	10.94	10.99	11.04	11.09	11.13	11.18	11.23
Maximum Power Current (Imp/A)	10.06	10.11	10.15	10.20	10.24	10.29	10.33	10.38

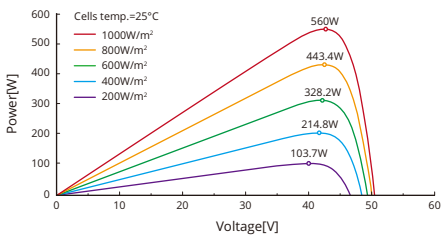
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve (DHM-72X10-560W)

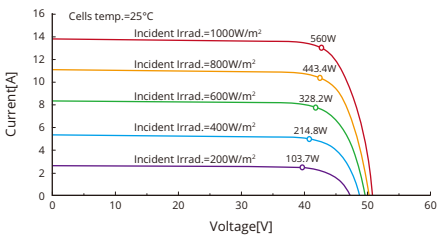
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



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