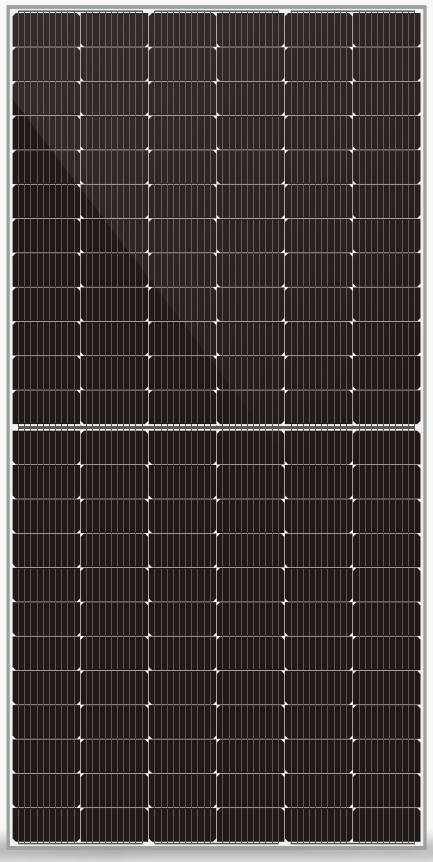
DAH Solar

DHM-72X10

0~+5W

520~550W

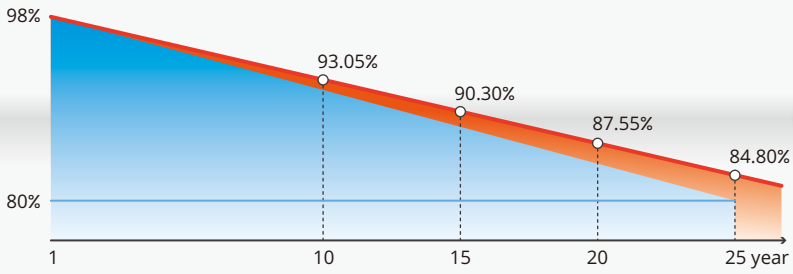
Half-Cell High Efficiency PV Module



Max Module Efficiency
21.28%

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 degradation:
first year ≤2%, 0.55% year 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

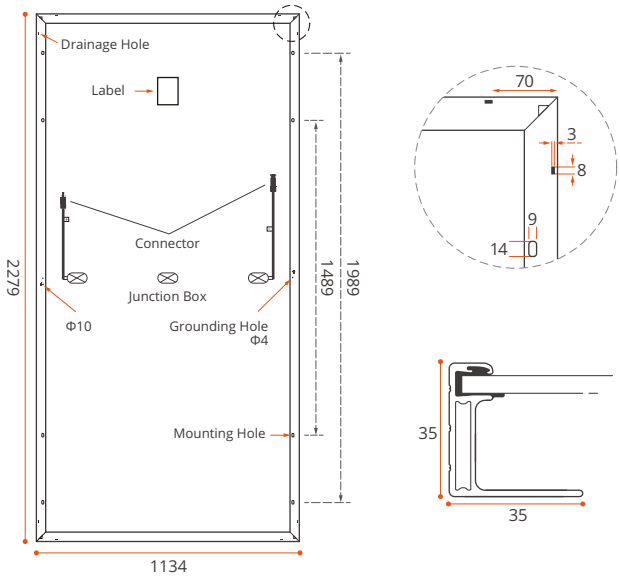
Strong Environmental Adaptability and Great Durability
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal)

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO
OHSAS 18001-
2007/International standards for occupational health & safety
ISO 14001-
2015/Standards for environmental management system
ISO 9001-
2015/Quality management system

DHM-72X10 **520~550W**

Design



Mechanical Specification

Cells Type	Dimension (L×W×T)
Mono 182×91mm	**2279×1134×35mm**
Weight	Packing
29kg	**31pcs/pallet, 620pcs/40HQ**
Cable	4.0mm², Portrait: 300mm(+)/400mm(-)
(Including connector)	Landscape: 1400mm(+)/1400mm(-)
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	1000V/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)	520W	525W	530W	535W	540W	545W	550W
Open-circuit Voltage (Voc)	49.0V	49.2V	49.4V	49.6V	49.8V	50.0V	50.2V
Maximum Power Voltage (Vmp)	41.2V	41.4V	41.6V	41.8V	42.0V	42.2V	42.4V
Short-circuit Current (Isc)	13.42A	13.48A	13.54A	13.60A	13.66A	13.72A	13.78A
Maximum Power Current (Imp)	12.62A	12.68A	12.74A	12.80A	12.86A	12.91A	12.97A
Module Efficiency (%)	20.12%	20.31%	20.51%	20.70%	20.89%	21.09%	21.28%
Temperature Coefficient of Isc				0.05%/°C			
Temperature Coefficient of Voc				-0.31%/°C			
Temperature Coefficient of Pmax				-0.35%/°C			

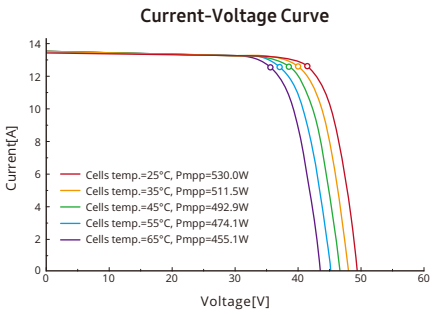
Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

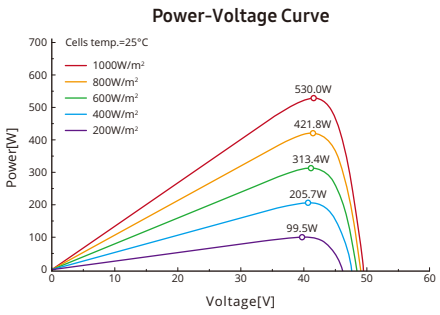
NOCT-Electrical Characteristics

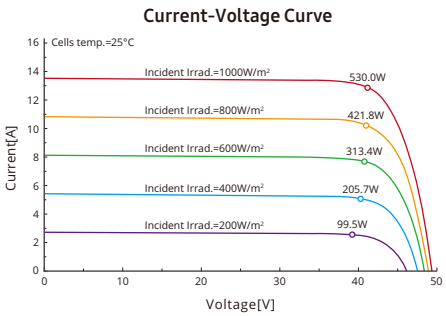
Maximum Power (Pmax)	387W	391W	394W	398W	402W	405W	409W
Open-circuit Voltage (Voc)	46.0V	46.1V	46.3V	46.5V	46.7V	46.9V	47.1V
Maximum Power Voltage (Vmp)	38.6V	38.8V	39.0V	39.2V	39.4V	39.6V	39.8V
Short-circuit Current (Isc)	10.84A	10.89A	10.94A	10.99A	11.04A	11.09A	11.13A
Maximum Power Current (Imp)	10.01A	10.06A	10.11A	10.15A	10.20A	10.24A	10.29A

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

I-V Curve (DHM-72X10-530W)







Add: No.1 Yaoyuan Road, Luyang District, Hefei City, Anhui, China
E-mail: sales@dh-solar.cn Facebook: www.facebook.com/DAHSolar
www.dahsolarpv.com