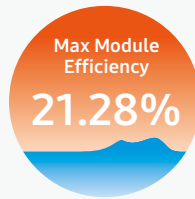
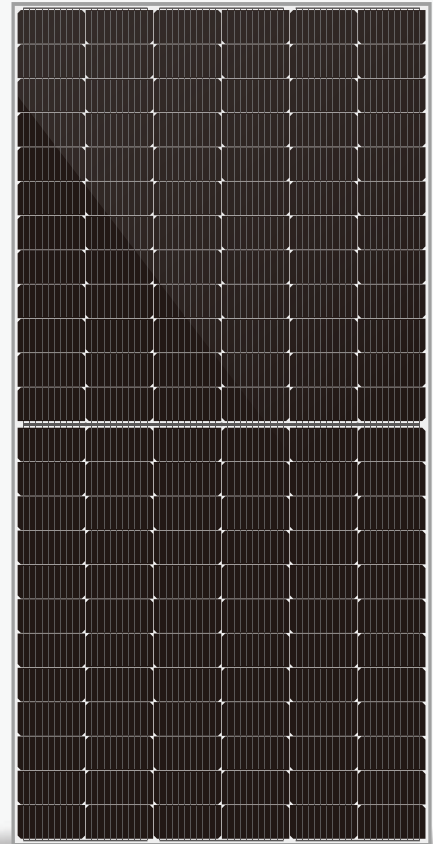


DHM-72X10

0~+5W

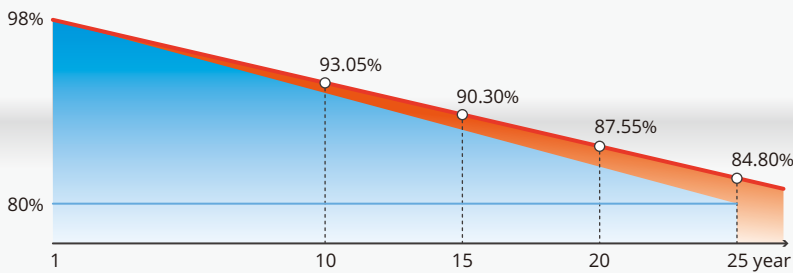
**520~550W**

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 ≤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 / INMETRO

OHSAS 18001-

2007/International standards for occupational health & safety

ISO 14001-

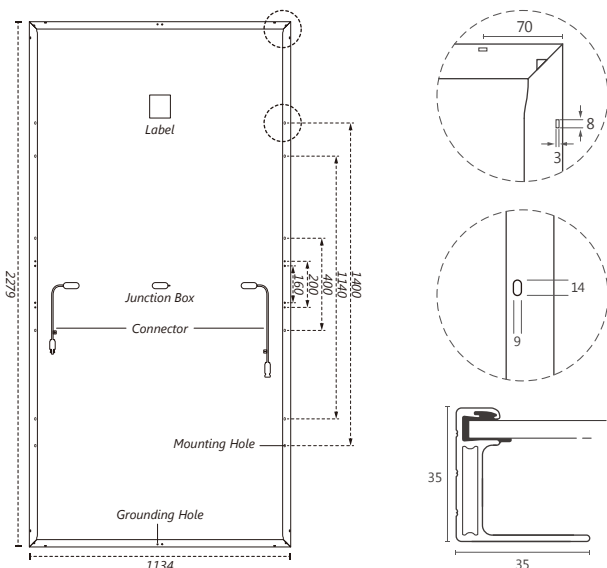
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

# DHM-72X10 520~550W

## Design



## Mechanical Specification

Cells Type  
**Mono 182×91mm**

Weight  
**29kg**

Cable  
(Including connector)  
No. of Cells  
Glass  
Junction box  
Connector

Dimension (L×W×T)  
**2279×1134×35mm**

Packing  
**31pcs/pallet, 620pcs/40HQ**

4.0mm<sup>2</sup>, Portrait: 300mm(+)/400mm(-)  
Landscape: 1400mm(+)/1400mm(-)  
144 (6×24)  
3.2mm High Transmission, Antireflection Coating  
IP68, 3 Bypass Diodes  
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/m<sup>2</sup>, 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/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

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

