



**Technology & Process Upgrade**

182+10BB+half-cell, higher power generation with the same installation are



**Super Performance & Stable Returns**

Low hot spot & anti-PID, to ensure module operation optimally



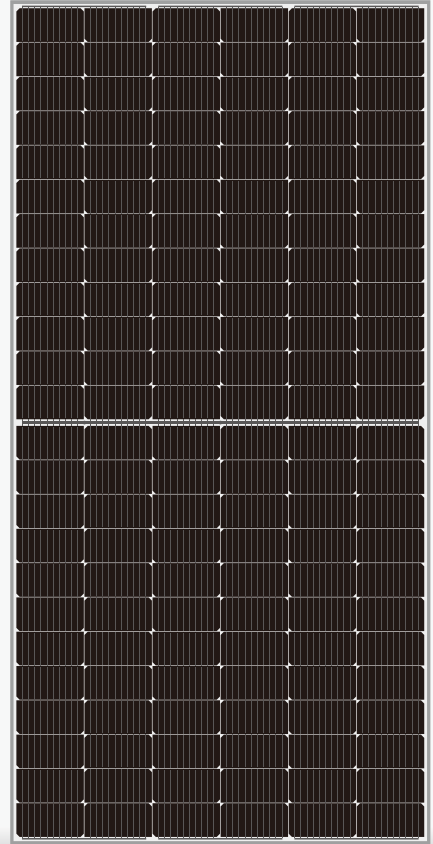
**Various Application Scenarios**

Strong weather resistance, easy installation in deserts, coastal areas, mountains and various roofs



**Better Compatibility**

Well compatibility in system, Lower LCOE



**DHM-72X10**

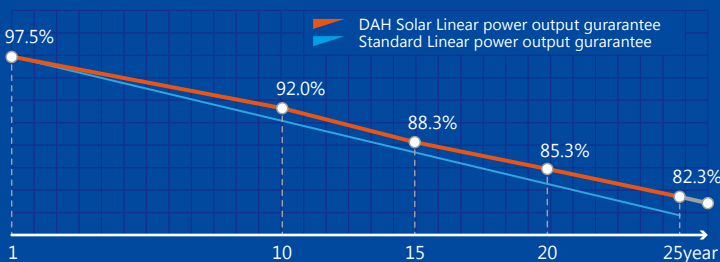
**520~550W**

**Half-Cell High Efficiency PV Module**

**Quality Guarantee**

12-year Material & technology warranty

25-year Linear power output warranty



**Max  
Module  
Efficiency**

-

**21.28%**

**Comprehensive  
Products and System Certificates**



IEC 61215 / IEC 61730 / CE / INMETRO

OHSAS 18001:

2007/International standards for occupational health & safety

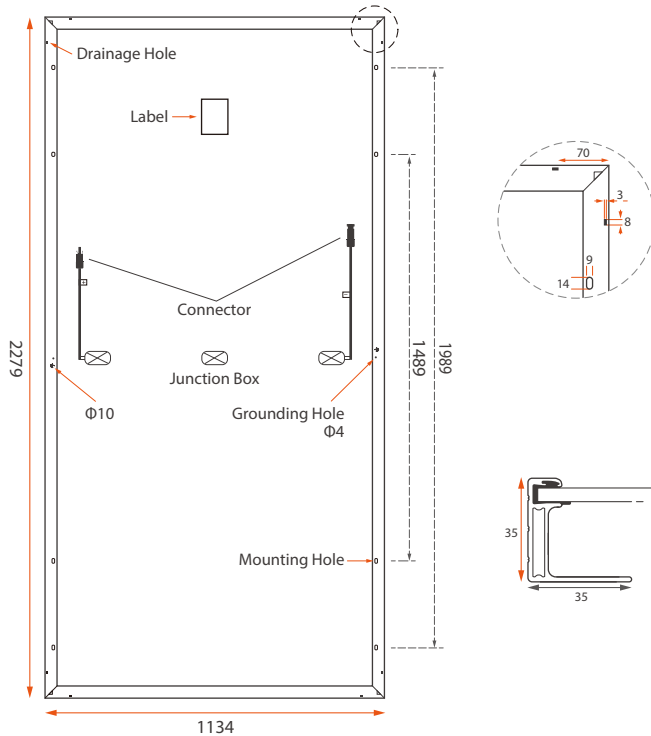
ISO 14001:

2015/Standards for environmental management system

ISO 9001:

2015/Quality management system

# 520~550W



## MECHANICAL SPECIFICATION

Cells Type	Weight	Dimension (L×W×T)
<b>Mono 182×91mm</b>	<b>28kg</b>	<b>2279×1134×35mm</b>
Packing	31pcs/pallet, 620pcs/40HQ	
Cable	4.0mm <sup>2</sup> , Portrait: 300mm(+)/400mm(-) 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	20A
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 (P <sub>max</sub> )	520W	525W	530W	535W	540W	545W	550W
Open-circuit Voltage (V <sub>oc</sub> )	49.0V	49.2V	49.4V	49.6V	49.8V	50.0V	50.2V
Maximum Power Voltage (V <sub>mp</sub> )	41.2V	41.4V	41.6V	41.8V	42.0V	42.2V	42.4V
Short-circuit Current (I <sub>sc</sub> )	13.42A	13.48A	13.54A	13.60A	13.66A	13.72A	13.78A
Maximum Power Current (I <sub>mp</sub> )	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%
Power Tolerance	0~+5W						
Temperature Coefficient of I <sub>sc</sub>	0.05%/°C						
Temperature Coefficient of V <sub>oc</sub>	-0.31%/°C						
Temperature Coefficient of P <sub>max</sub>	-0.35%/°C						

Standard Test Environment: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (P <sub>max</sub> )	391W	395W	398W	402W	406W	410W	413W
Open-circuit Voltage (V <sub>oc</sub> )	46.4V	46.6V	46.8V	46.9V	47.1V	47.3V	47.5V
Maximum Power Voltage (V <sub>mp</sub> )	39.0V	39.2V	39.4V	39.6V	39.7V	39.9V	40.1V
Short-circuit Current (I <sub>sc</sub> )	10.83A	10.88A	10.93A	10.97A	11.02A	11.07A	11.12A
Maximum Power Current (I <sub>mp</sub> )	10.02A	10.07A	10.12A	10.16A	10.21A	10.26A	10.30A

Standard Test Environment: Irradiance 800W/m<sup>2</sup>, Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s