

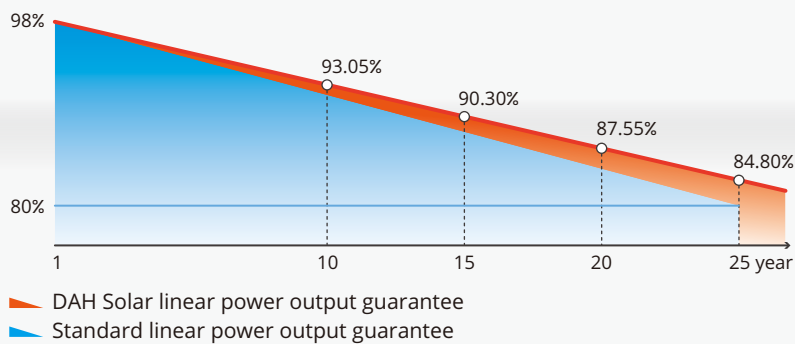
DHM-72X10

540~555W

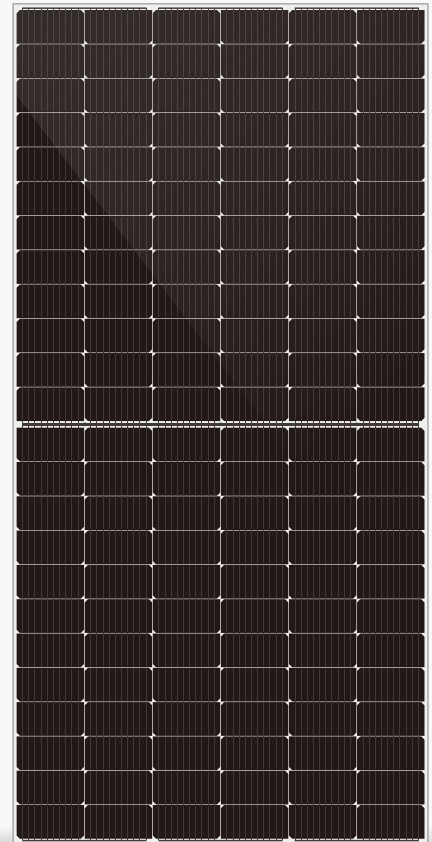
Half-Cell High Efficiency PV Module

Quality Guarantee

12-Year material & technology warranty
25-Year linear power output warranty



Max Module Efficiency
21.48%



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 Pa) and snow load (5400 Pa)

Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

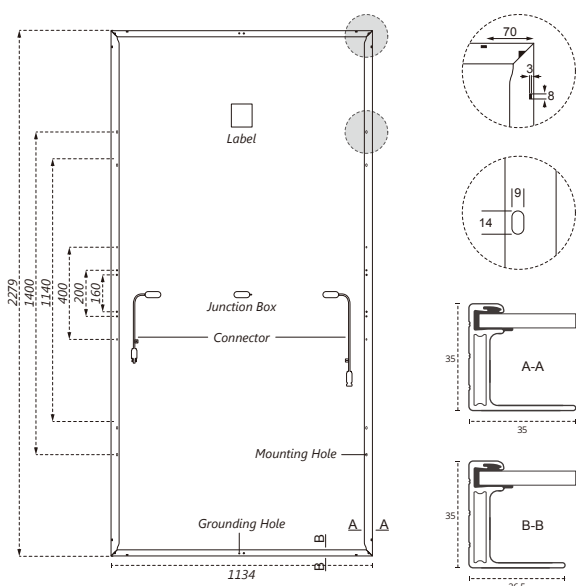
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-72X10-540~555W

Design



Mechanical Specification

Cells Type
Mono 182×91mm

Weight
29kg

Output Cable
(Including connector)

No. of Cells

Glass

Junction box

Connector

Dimension (L×W×T)

2279×1134×35mm

Packing

31pcs/pallet, 620pcs/40HQ

4.0mm², 300/400mm in length,
length can be customized

144 (6×24)

3.2mm High Transmission, Antireflection Coating

IP68, 3 Bypass Diodes

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 (P _{max} /W)	540	545	550	555
Open-circuit Voltage (V _{oc} /V)	49.8	50.0	50.2	50.4
Maximum Power Voltage (V _{mp} /V)	42.0	42.2	42.4	42.6
Short-circuit Current (I _{sc} /A)	13.66	13.72	13.78	13.84
Maximum Power Current (I _{mp} /A)	12.86	12.91	12.97	13.03
Module Efficiency (%)	20.89	21.09	21.30	21.48
Temperature Coefficient of I _{sc}	0.05%/°C			
Temperature Coefficient of V _{oc}	-0.31%/°C			
Temperature Coefficient of P _{max}	-0.35%/°C			

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

NOCT-Electrical Characteristics

Maximum Power (P _{max} /W)	402	405	409	413
Open-circuit Voltage (V _{oc} /V)	46.7	46.9	47.1	47.3
Maximum Power Voltage (V _{mp} /V)	39.4	39.6	39.8	40.0
Short-circuit Current (I _{sc} /A)	11.04	11.09	11.13	11.18
Maximum Power Current (I _{mp} /A)	10.20	10.24	10.29	10.33

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

I-V Curve DHM-72X10-550W

