



安徽大恒能源科技有限公司
ANHUI DAHENG ENERGY
TECHNOLOGY CO., LTD.

DHM-72X10

0~+5W

525~550W

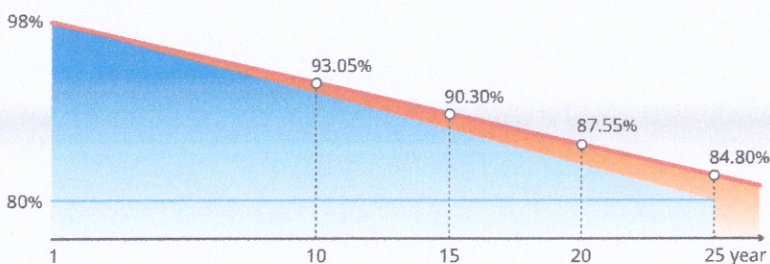
Half-Cell High Efficiency PV Module



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 $\leq 2\%$, 0.55% per year from 2-25



Higher Power Gains and Lower Losses

Excellent low irradiance performance and low shadow loss



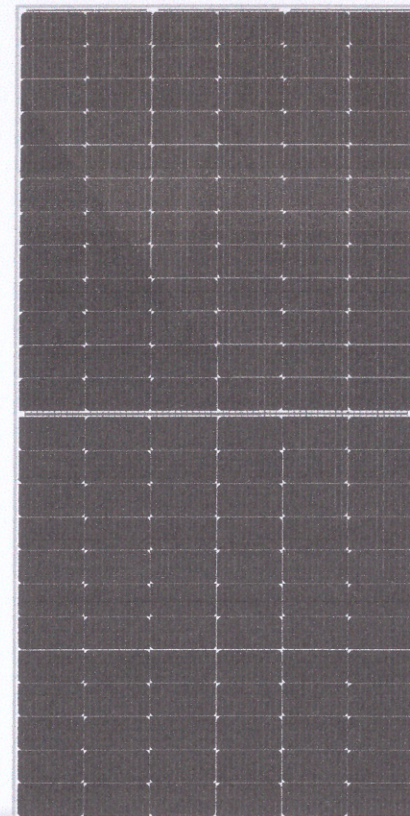
Process Optimized and Upgraded

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-

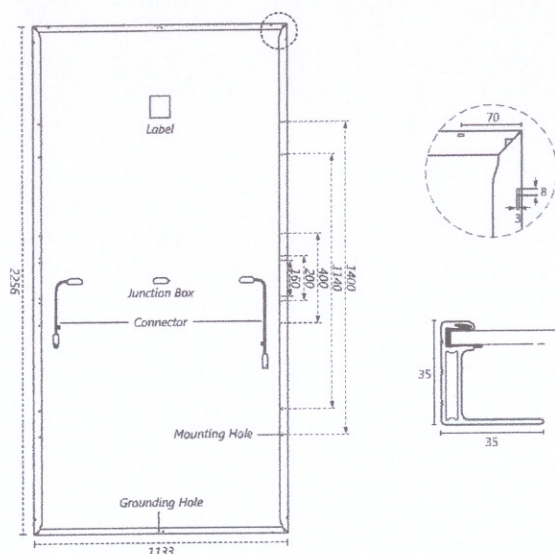
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-72X10 525~550W

Design



Mechanical Specification

Cells Type
Mono 182×91mm

Weight
28.5kg

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

Dimension (L×W×T)
2256×1133×35mm

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	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 (P _{max})	525W	530W	535W	540W	545W	550W
Open-circuit Voltage (V _{oc})	49.2V	49.4V	49.6V	49.8V	50.0V	50.2V
Maximum Power Voltage (V _{mp})	41.4V	41.6V	41.8V	42.0V	42.2V	42.4V
Short-circuit Current (I _{sc})	13.48A	13.54A	13.60A	13.66A	13.72A	13.78A
Maximum Power Current (I _{mp})	12.68A	12.74A	12.80A	12.86A	12.91A	12.97A
Module Efficiency (%)	20.54%	20.74%	20.93%	21.13%	21.32%	21.52%
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})	391W	394W	398W	402W	405W	409W
Open-circuit Voltage (V _{oc})	46.1V	46.3V	46.5V	46.7V	46.9V	47.1V
Maximum Power Voltage (V _{mp})	38.8V	39.0V	39.2V	39.4V	39.6V	39.8V
Short-circuit Current (I _{sc})	10.89A	10.94A	10.99A	11.04A	11.09A	11.13A
Maximum Power Current (I _{mp})	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)

