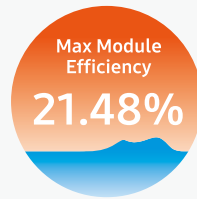
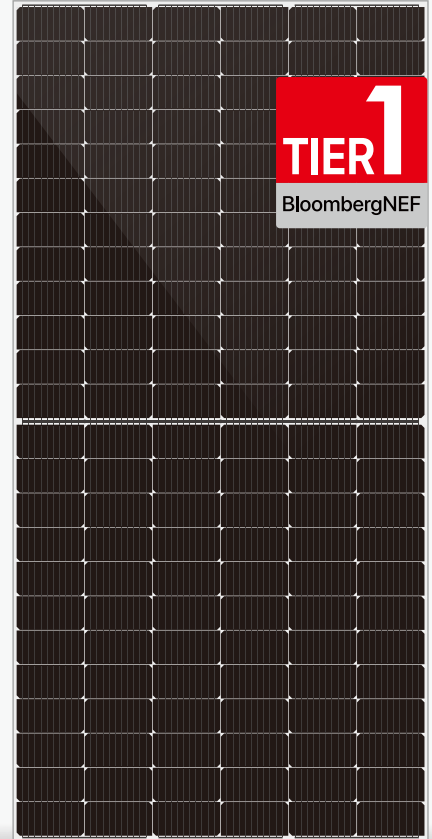


DHM-72X10/DG

540~555W

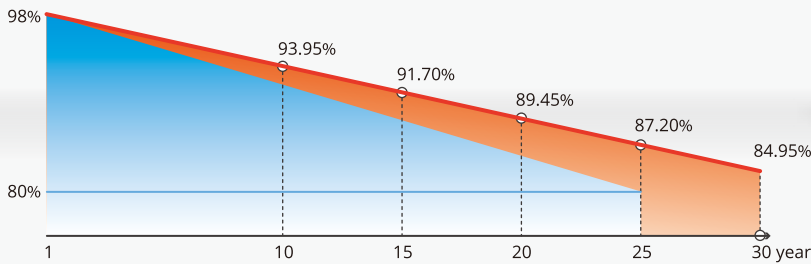
Double glass Half-cell High Efficiency PV Module



Quality Guarantee

12-Year material & technology warranty

30-Year linear power output warranty



DAH Solar linear power output guarantee

Standard linear power output guarantee



Strong resistance to hot spots

Low temperature coefficient, better heat dissipation of double-sided glass, higher power generation



Up to 25% increase in power generation on the back

Multi-busbar high-efficiency double-sided PERC cell, the power generation gain increases with the light on the back, high power output, more stable and safer



30-year service life

Adopting high-permeability coated double-sided glass, which has better water resistance and corrosion resistance, and stronger weather resistance in environments such as salt spray and ammonia



Higher fire rating

Fire rating ClassA, reducing abnormal hidden dangers



Easy to install

Contains frame design, system installation compatibility is stronger

Comprehensive

Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

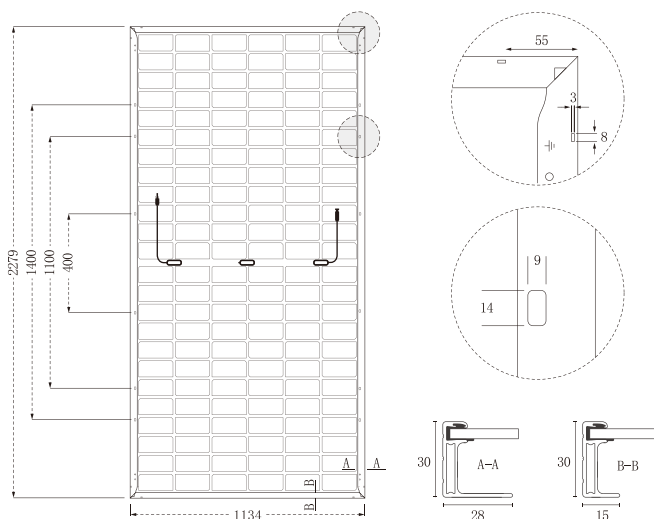
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-72X10/DG-540~555W

Design



Mechanical Specification

Cells Type Mono 182×91mm	Dimension (L×W×T) 2279×1134×30mm
Weight 32kg	Packing 36pcs/pallet, 720pcs/40HQ
Output Cable (Including connector)	4.0mm ² , 350/250mm in length, length can be customized
No. of Cells	144 (6×24)
Glass	2.0mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	30A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Electrical Characteristics

Module Type	DHM-72X10/DG							
	STC	Noct	STC	Noct	STC	Noct	STC	Noct
Maximum Power (Pmax)	540W	402W	545W	405W	550W	409W	555W	413W
Open-circuit Voltage (Voc)	49.8V	46.71V	50.0V	46.90V	50.2V	47.09V	50.4V	47.28V
Maximum Power Voltage (Vmp)	42.0V	39.40V	42.2V	39.58V	42.4V	39.77V	42.6V	39.96V
Short-circuit Current (Isc)	13.66A	11.04A	13.72A	11.09A	13.78A	11.13A	13.84A	11.18A
Maximum Power Current (Imp)	12.86A	10.20A	12.91A	10.24A	12.97A	10.29A	13.03A	10.33A
Module Efficiency (STC)	20.89%		21.09%		21.30%		21.48%	

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

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

Refer Bifacial Factor: 70±5%

Temperature Coefficient of Voc: -0.31%/°C

Temperature Coefficient of Isc: 0.05%/°C

Temperature Coefficient of Pmax: -0.35%/°C

Double-sided power generation parameters (Rear gain)

Gain	Module Type	STC	Noct	STC	Noct	STC	Noct
5%	Maximum Power (Pmax)	567W	421W	572W	425W	578W	429W
	Module Efficiency (%)	21.94%	20.89%	22.14%	21.09%	22.35%	21.30%
15%	Maximum Power (Pmax)	621W	467W	627W	471W	633W	475W
	Module Efficiency (%)	24.03%	22.89%	24.25%	22.14%	24.47%	22.35%
25%	Maximum Power (Pmax)	675W	513W	681W	517W	688W	521W
	Module Efficiency (%)	26.12%	24.89%	26.36%	24.14%	26.60%	24.35%

I-V Curve DHM-72X10/DG

