



DHM-72X10/BF/FS

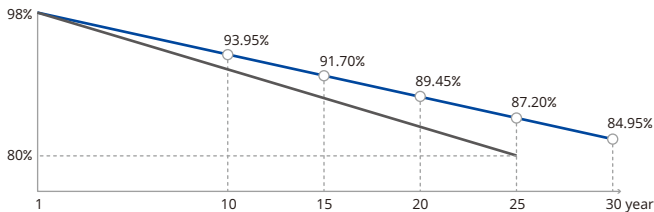
540~555W

Full Screen PV Module

No Dust and Dirt on the Surface Increase Power Generation

Quality Guarantee

12-year Material & technology warranty
30-year Linear power output warranty



▲ DAH Solar linear power output guarantee
■ Standard linear power output guarantee

Comprehensive Products & 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



Up to 20% generation gain from the rear-side

The grid line transparent back sheet increases the back reflection, and the power generation gain increases with the back light



More than 25% module weight lighter

Compared with the dual glass module, the weight is reduced by 25%, which is easy to install and save the cost of BOS



Higher generation efficiency and stability

Low current, low hotspot and better low-irradiance performance, more stable power generation



Longer power output life span

Anti PID, low acetic acid concentration, ensure the module linear power output for 30 years



Strong environmental adaptability

Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests



Select Grade A crystalline silicon solar cells

Grade A crystalline silicon solar cells make high-power output with cost-effective

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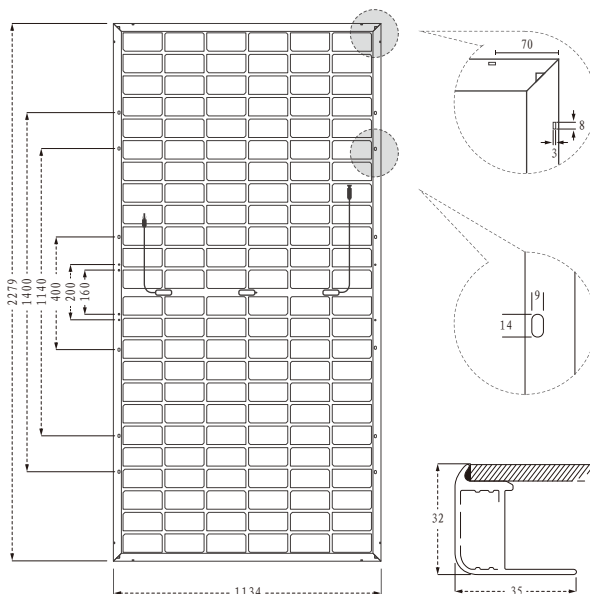
540~555W



Mechanical Specification

Cable	4.0mm ² , Portrait: 300mm(+)/400mm(-)
(Including connector)	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
Weight	29kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	2279×1134×32mm
Packing	34pcs/pallet, 680pcs/40HQ

Design



Operating Parameters

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

Electrical Characteristics

DHM-72X10/BF/FS

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

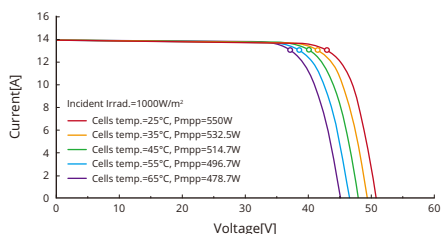
Temperature Coefficient of Pmax: -0.35%/°C

Double-sided power generation parameters (Rear gain)

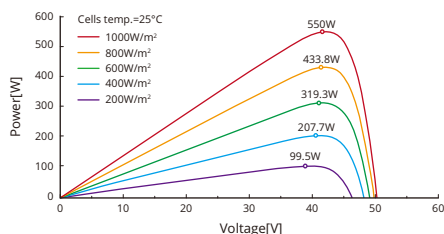
5%	Maximum Power (Pmax)	567W	572W	578W	582.5W
	Module Efficiency (%)	21.94%	22.14%	22.35%	22.54%
15%	Maximum Power (Pmax)	621W	627W	633W	632.7W
	Module Efficiency (%)	24.03%	24.25%	24.47%	24.48%
25%	Maximum Power (Pmax)	675W	681W	688W	694W
	Module Efficiency (%)	26.12%	26.36%	26.60%	26.84%

I-V Curve DHM-72X10/BF/FS-550W

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

