

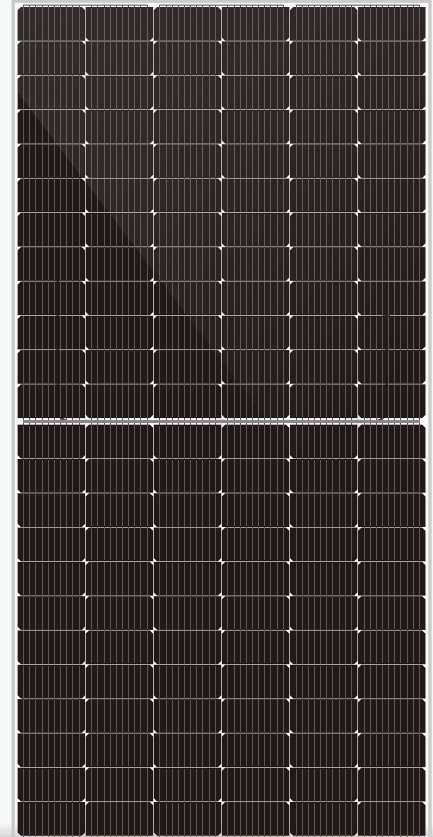
DHM-72X10/BF

0~+5W

520~550W

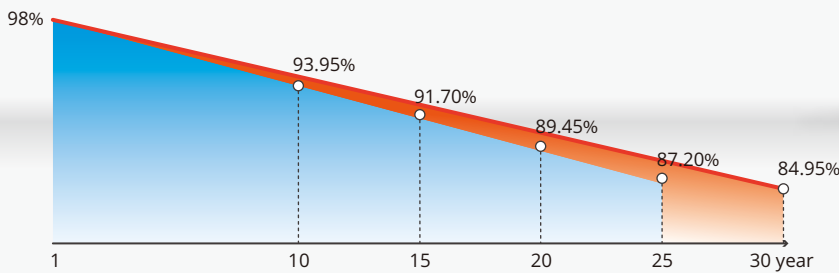
BIFACIAL HALF-CELL HIGH EFFICIENCY PV MODULE

Max Module Efficiency **21.52%**



Quality Guarantee

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



DAH solar linear power output guarantee
 Standard linear power output guarantee



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

Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / INMETRO

OHSAS 18001-

2007/International standards for occupational health & safety

ISO 14001-

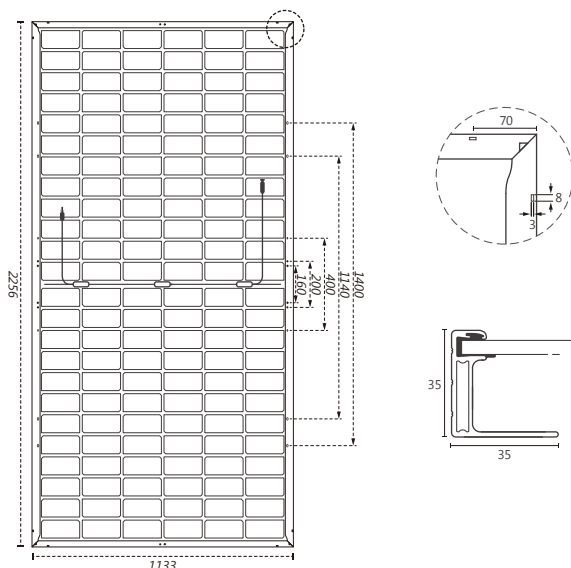
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-72X10/BF 520~550W

Design



Mechanical Specification

Cells Type
Mono 182×91mm

Weight
28.7kg

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	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/BF													
	STC	Noct	STC	Noct	STC	Noct	STC	Noct	STC	Noct	STC	Noct	STC	Noct
Maximum Power (Pmax)	520W	387W	525W	391W	530W	394W	535W	398W	540W	402W	545W	405W	550W	409W
Open-circuit Voltage (Voc)	49.00V	45.96V	49.20V	46.15V	49.40V	46.34V	49.60V	46.52V	49.80V	46.71V	50.00V	46.90V	50.20V	47.09V
Maximum Power Voltage (Vmp)	41.2V	38.65V	41.4V	38.83V	41.6V	39.02V	41.8V	39.21V	42.0V	39.40V	42.2V	39.58V	42.4V	39.77V
Short-circuit Current (Isc)	13.42A	10.84A	13.48A	10.89A	13.54A	10.94A	13.60A	10.99A	13.66A	11.04A	13.72A	11.09A	13.78A	11.13A
Maximum Power Current (Imp)	12.62A	10.01A	12.68A	10.06A	12.74A	10.11A	12.80A	10.15A	12.86A	10.20A	12.91A	10.24A	12.97A	10.29A
Module Efficiency (STC)	20.34%		20.54%		20.74%		20.90%		21.10%		21.32%		21.52%	

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)	546W	551W	557W	562W	567W	572W	578W
	Module Efficiency (%)	21.36%	21.57%	21.77%	21.98%	22.18%	22.39%	22.59%
15%	Maximum Power (Pmax)	598W	604W	610W	615W	621W	627W	633W
	Module Efficiency (%)	23.40%	23.62%	23.85%	24.07%	24.30%	24.52%	24.75%
25%	Maximum Power (Pmax)	650W	656W	663W	669W	675W	681W	688W
	Module Efficiency (%)	25.43%	25.67%	25.92%	26.16%	26.41%	26.65%	26.90%

I-V Curve (DHM-72X10/BF-530W)

