

Mono Perc

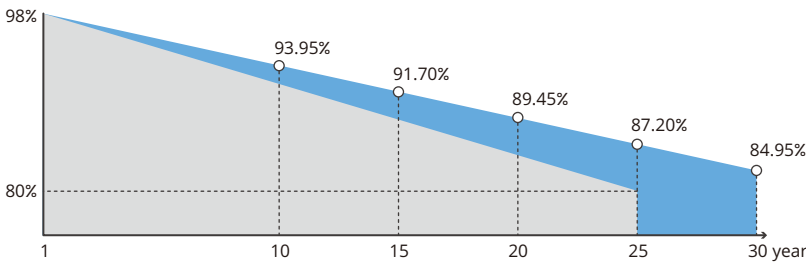
DHM-72L9/BF

Bifacial Half-cell High Efficiency PV Module

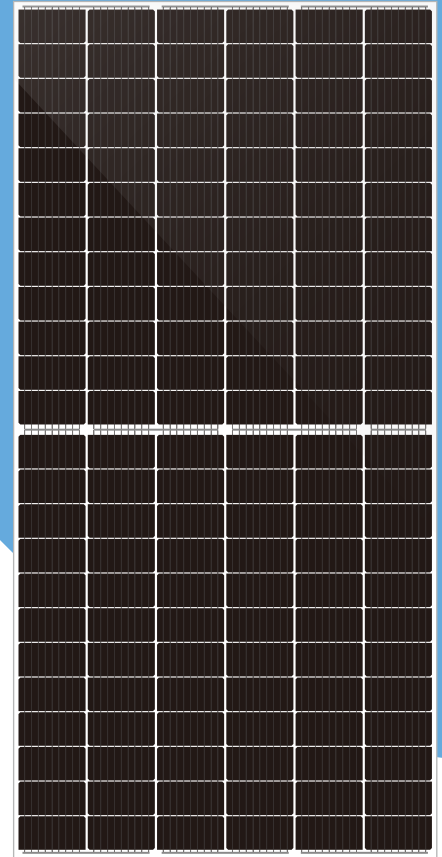
Quality Guarantee

12-year Material & technology warranty

30-year Linear power output warranty



— DAH Solar linear power output guarantee
 — Standard linear power output guarantee



445~455 W

Max
Module
Efficiency
-
20.93%



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 / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

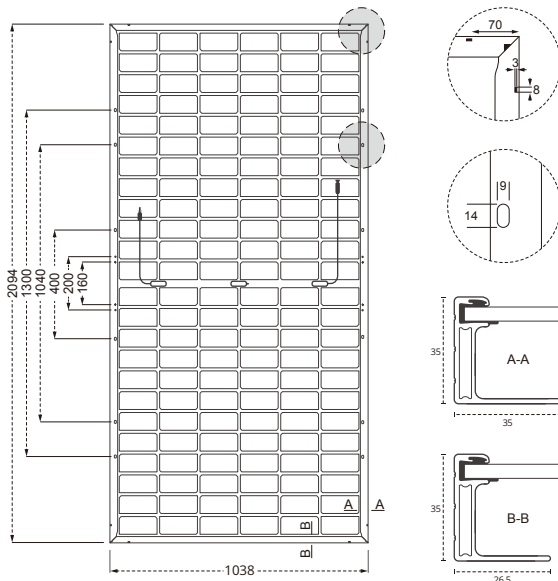
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-72L9/BF-445~455W

Design



Mechanical Specification

Cells Type
Mono 166×83mm

Weight
23.5kg

Cable
(Including connector)

No. of Cells

Glass

Junction box

Connector

Dimension (L×W×T)
2094×1038×35mm

Packing
31pcs/pallet, 682pcs/40HQ

4.0mm², Portrait: 300mm(+)/400mm(-)

Landscape: 1400mm(+)/1400mm(-)

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

Electrical Characteristics

Module Type	DHM-72L9/BF							
	STC		Noct		STC		Noct	
Maximum Power (Pmax)	445W	331W	450W	335W	455W	339W		
Open-circuit Voltage (Voc)	49.15V	46.10V	49.30V	46.24V	49.45V	46.38V		
Maximum Power Voltage (Vmp)	41.96V	39.36V	42.11V	39.50V	42.26V	39.64V		
Short-circuit Current (Isc)	11.32A	9.15A	11.35A	9.17A	11.38A	9.20A		
Maximum Power Current (Imp)	10.61A	8.41A	10.69A	8.48A	10.77A	8.54A		
Module Efficiency (STC)	20.47%		20.70%		20.93%			

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: 0.05%/°C

Temperature Coefficient of Voc: -0.31%/°C

Temperature Coefficient of Pmax: -0.35%/°C

Double-sided power generation parameters (Rear gain)

5%	Maximum Power (Pmax)	467W	473W	478W
	Module Efficiency (%)	21.50%	21.74%	21.98%
15%	Maximum Power (Pmax)	512W	518W	523W
	Module Efficiency (%)	23.54%	23.81%	24.07%
25%	Maximum Power (Pmax)	556W	563W	569W
	Module Efficiency (%)	25.59%	25.88%	26.17%

I-V Curve DHM-72L9/BF-455W

