

Mono Perc

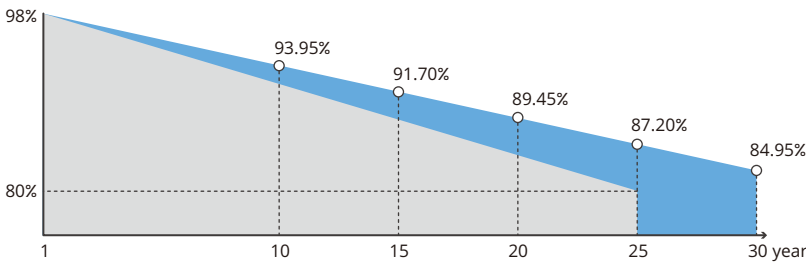
# DHM-72L9/BF

Bifacial Half-cell High Efficiency PV Module

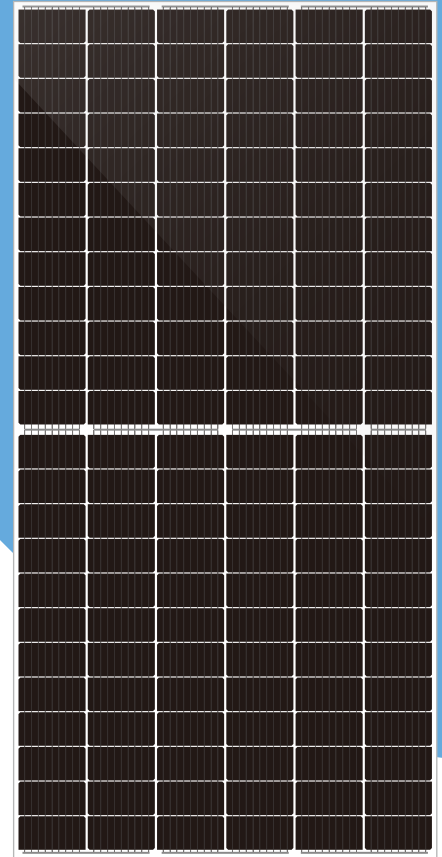
## Quality Guarantee

**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-

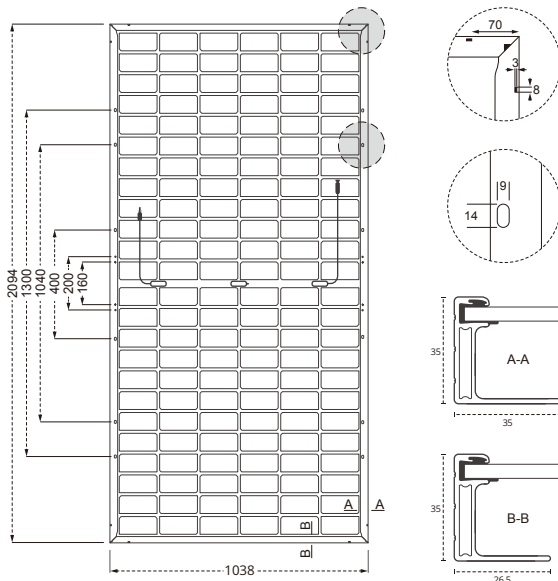
2015/Standards for environmental management system

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

4.0mm<sup>2</sup>, 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/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

NOCT: Standard Test Environment : Irradiance 800W/m<sup>2</sup>, 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

