

**Optimal Process Design**  
166mm+9BB+Half-cut, higher power output



**Select Grade A Crystalline Silicon Solar Cells**  
Grade A crystalline silicon solar cells make high-power output with cost-effective



**Stable Generation Performance**  
Guaranteed 0~+5W positive tolerance and slower power attenuation: first year  $\leq 2\%$ , 0.55% per year from 2-25



**Higher Power Gains and Lower Losses**  
Excellent low irradiance performance and low shadow loss

**Fire safety class:**  
Class C according to ANSI/UL 1703-2018(as per ANSI/UL 790-2018)

Mono Perc

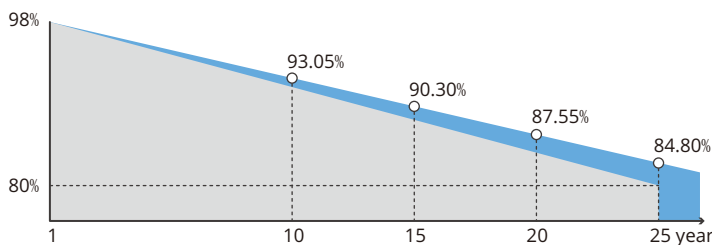
# DHM-72L9-445W DHM-72L9-450W DHM-72L9-455W

Half-Cell High Efficiency PV Module

## Quality Guarantee

**25-year** Material & technology warranty

**25-year** Linear power output warranty



■ DAH solar linear power output guarantee  
■ Standard linear power output guarantee

\*Subject to the terms and conditions contained in the applicable Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.



IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-

2015/Quality management system

ISO 14001-

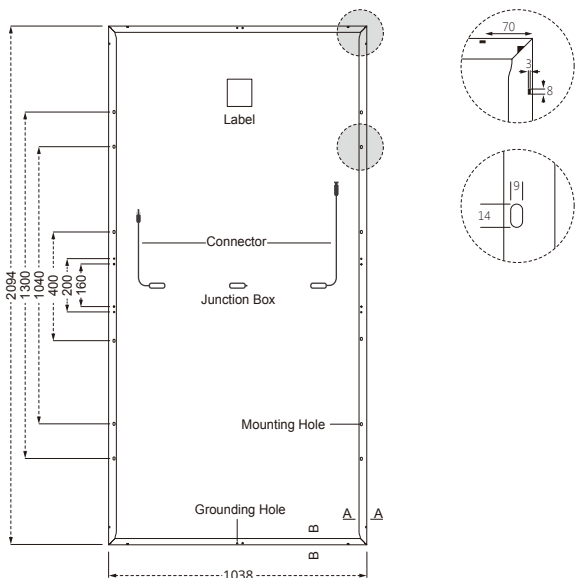
2015/Standards for environmental management system

ISO 45001-

2018/International standards for occupational health & safety

# DHM-72L9

## 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)  
**2094×1038×30mm**

Packing  
**36pcs/pallet, 792pcs/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  
PV5e, Changshu Friends Connector Technology Co.,Ltd,  
Customized Connectors

## Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

## STC-Electrical Characteristics

Module Type	DHM-72L9-445W	DHM-72L9-450W	DHM-72L9-455W
Maximum Power (Pmax)	445	450	455
Open-circuit Voltage (Voc)	49.15	49.30	49.45
Maximum Power Voltage (Vmp)	41.96	42.11	42.26
Short-circuit Current (Isc)	11.32	11.35	11.38
Maximum Power Current (Imp)	10.61	10.69	10.77
Module Efficiency (%)	20.47	20.70	20.93
Temperature Coefficient of Isc		0.05%/°C	
Temperature Coefficient of Voc		-0.31%/°C	
Temperature Coefficient of Pmax		-0.35%/°C	

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5  
Tolerances : Pmax=±3%, Voc=±3%, Isc=±3%

## NOCT-Electrical Characteristics

Maximum Power (Pmax)	331	335	339
Open-circuit Voltage (Voc)	46.1	46.2	46.4
Maximum Power Voltage (Vmp)	39.4	39.5	39.6
Short-circuit Current (Isc)	9.15	9.17	9.20
Maximum Power Current (Imp)	8.41	8.48	8.54

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve DHM-72L9-455W

