

Mono Perc

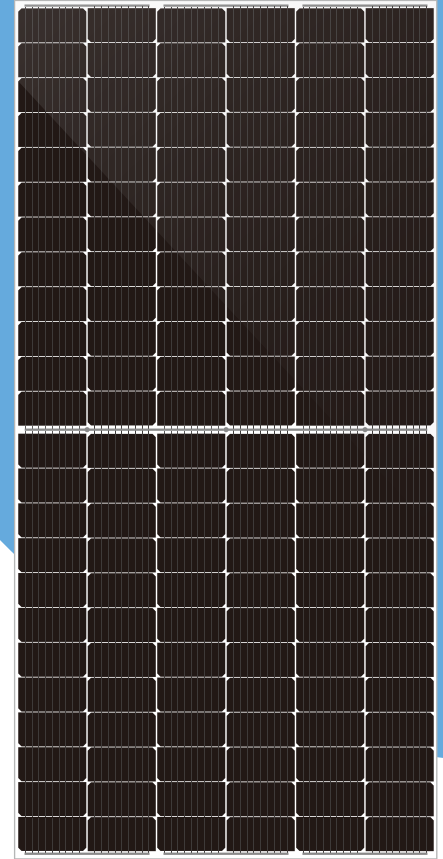
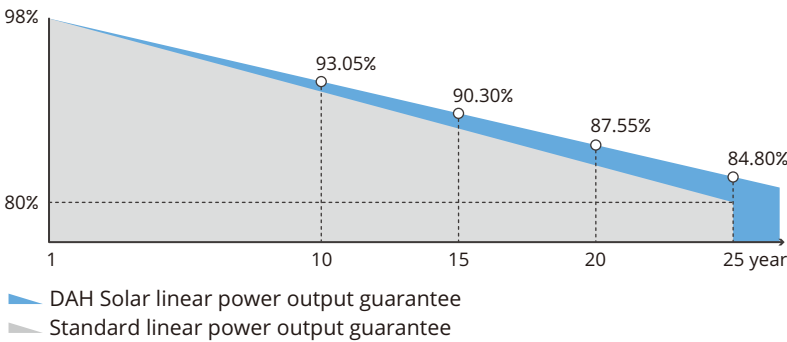
# DHM-72L9

Half-Cell High Efficiency PV Module

## Quality Guarantee

**12-year** Material & technology warranty

**25-year** Linear power output warranty



# 445~455 W

Max  
Module  
Efficiency

**20.93%**



### 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 ≤2%, 0.55% per year from 2-25



### Process Upgraded

Lower risk of hot spot and stronger anti-PID ability



### Higher Power Gains and Lower Losses

Excellent low irradiance performance and low shadow loss



### Strong Environmental Adaptability and Great Durability

Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

## Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

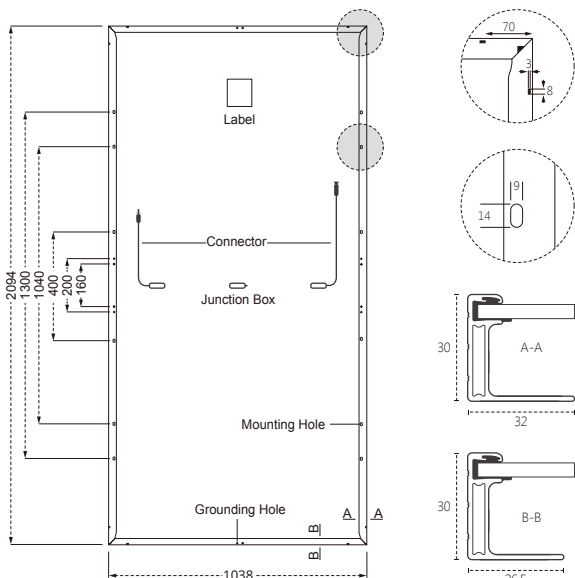
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

# DHM-72L9-445~455W

## 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)  
**2094×1038×30mm**

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  
MC4 Compatible

## 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		
Maximum Power (P <sub>max</sub> )	445	450	455
Open-circuit Voltage (V <sub>oc</sub> )	49.15	49.30	49.45
Maximum Power Voltage (V <sub>mp</sub> )	41.96	42.11	42.26
Short-circuit Current (I <sub>sc</sub> )	11.32	11.35	11.38
Maximum Power Current (I <sub>mp</sub> )	10.61	10.69	10.77
Module Efficiency (%)	20.47	20.70	20.93
Temperature Coefficient of I <sub>sc</sub>		0.05%/°C	
Temperature Coefficient of V <sub>oc</sub>		-0.31%/°C	
Temperature Coefficient of P <sub>max</sub>		-0.35%/°C	

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT-Electrical Characteristics

Maximum Power (P <sub>max</sub> )	331	335	339
Open-circuit Voltage (V <sub>oc</sub> )	46.1	46.2	46.4
Maximum Power Voltage (V <sub>mp</sub> )	39.4	39.5	39.6
Short-circuit Current (I <sub>sc</sub> )	9.15	9.17	9.20
Maximum Power Current (I <sub>mp</sub> )	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

