

Mono Perc

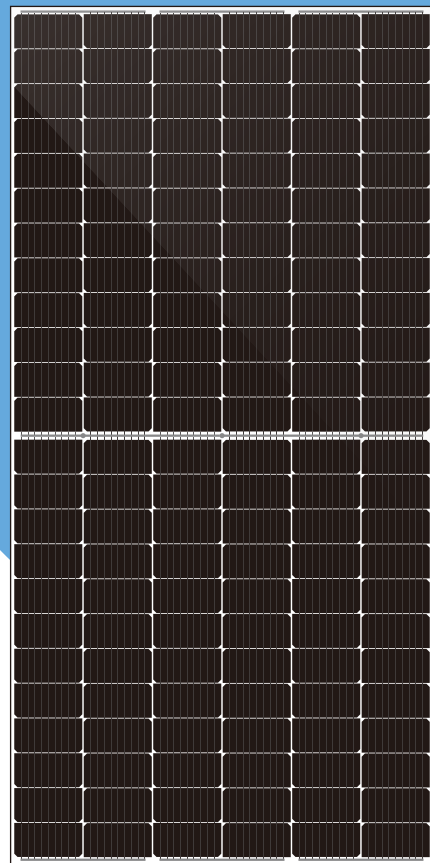
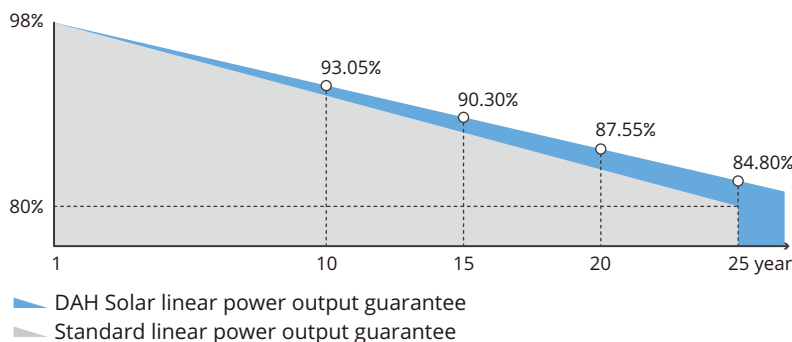
DHM-72L9(BW)

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-

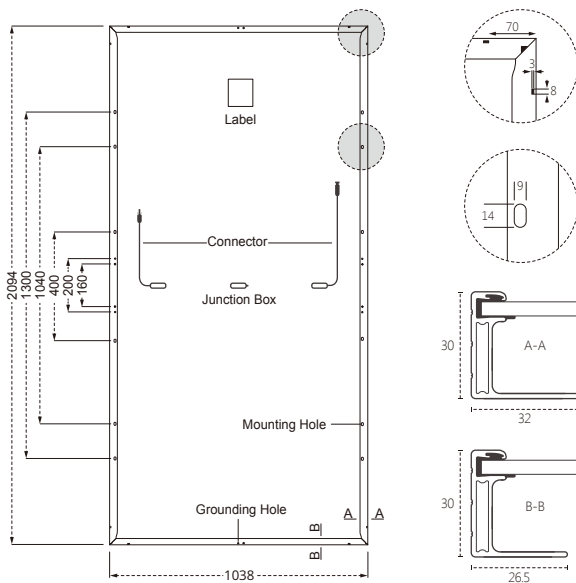
2015/Standards for environmental management system

ISO 9001-

2015/Quality management system

DHM-72L9(BW)-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

4.0mm², 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	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(BW)		
Maximum Power (P _{max})	445	450	455
Open-circuit Voltage (V _{oc})	49.15	49.30	49.45
Maximum Power Voltage (V _{mp})	41.96	42.11	42.26
Short-circuit Current (I _{sc})	11.32	11.35	11.38
Maximum Power Current (I _{mp})	10.61	10.69	10.77
Module Efficiency (%)	20.47	20.70	20.93
Temperature Coefficient of I _{sc}		0.05%/°C	
Temperature Coefficient of V _{oc}		-0.31%/°C	
Temperature Coefficient of P _{max}		-0.35%/°C	

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT-Electrical Characteristics

Maximum Power (P _{max})	331	335	339
Open-circuit Voltage (V _{oc})	46.1	46.2	46.4
Maximum Power Voltage (V _{mp})	39.4	39.5	39.6
Short-circuit Current (I _{sc})	9.15	9.17	9.20
Maximum Power Current (I _{mp})	8.41	8.48	8.54

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve DHM-72L9(BW)-455W

