

Mono Perc

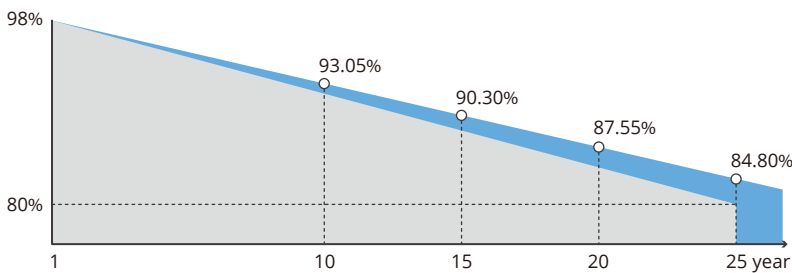
# DHM-60L9

Half-Cell High Efficiency **Black Frame** PV Module

## Quality Guarantee

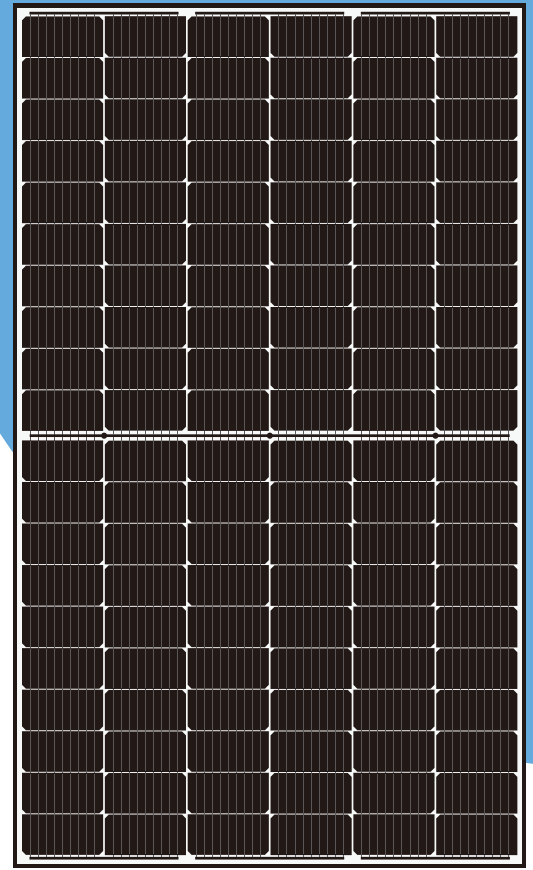
**12-year** Material & technology warranty

**25-year** Linear power output warranty



DAH solar linear power output guarantee

Standard linear power output guarantee



# 360~390W<sup>0 ~ +5W</sup>

Max  
Module  
Efficiency

**21.41%**

**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 Pascal) and snow load (5400 Pascal)

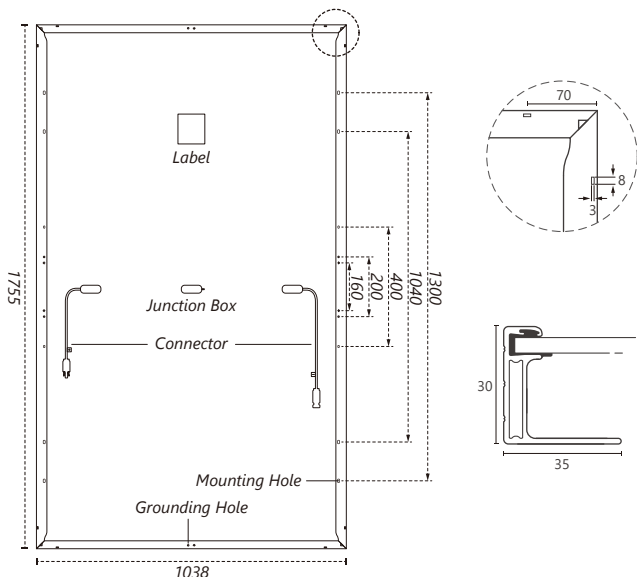
## Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / INMETRO  
ISO 9001-  
2015/Quality management system  
ISO 14001-  
2015/Standards for environmental management system  
OHSAS 18001-  
2007/International standards for occupational health & safety

# DHM-60L9 360~390W

## Design



## Mechanical Specification

Cells Type  
**Mono 166×83mm**

Weight  
**20kg**

Cable  
(Including connector)

No. of Cells

Glass

Junction box

Connector

Dimension (L×W×T)  
**1755×1038×30mm**

Packing  
**36pcs/pallet, 936pcs/40HQ**

4.0mm<sup>2</sup>, Portrait: 300mm(+)/400mm(-)

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

120 (6×20)

3.2mm High Transmission, Antireflection Coating

IP68, 3 Bypass Diodes

MC4 Compatible

## Operating Parameters

Maximum system voltage	1000V/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-60L9						
Maximum Power (P <sub>max</sub> )	360W	365W	370W	375W	380W	385W	390W
Open-circuit Voltage (V <sub>oc</sub> )	40.6V	40.8V	41.0V	41.2V	41.4V	41.6V	41.8V
Maximum Power Voltage (V <sub>mp</sub> )	33.8V	34.0V	34.2V	34.4V	34.6V	34.8V	35.0V
Short-circuit Current (I <sub>sc</sub> )	11.24A	11.30A	11.36A	11.42A	11.48A	11.54A	11.60A
Maximum Power Current (I <sub>mp</sub> )	10.65A	10.74A	10.82A	10.90A	10.98A	11.06A	11.14A
Module Efficiency (%)	19.76%	20.04%	20.31%	20.59%	20.86%	21.13%	21.41%
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> )	271W	274W	278W	282W	286W	289W	293W
Open-circuit Voltage (V <sub>oc</sub> )	38.4V	38.6V	38.8V	39.0V	39.2V	39.4V	39.6V
Maximum Power Voltage (V <sub>mp</sub> )	32.0V	32.2V	32.4V	32.6V	32.7V	32.9V	33.1V
Short-circuit Current (I <sub>sc</sub> )	9.07A	9.12A	9.17A	9.22A	9.26A	9.31A	9.36A
Maximum Power Current (I <sub>mp</sub> )	8.46A	8.53A	8.59A	8.66A	8.72A	8.79A	8.85A

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

## I-V Curve (DHM-60L9-370W)

