

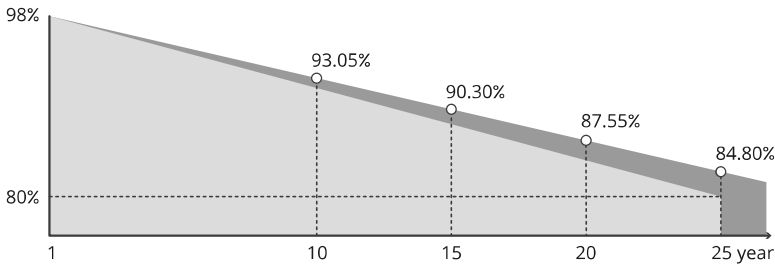
Mono Perc

# DHM-66L9(BW)

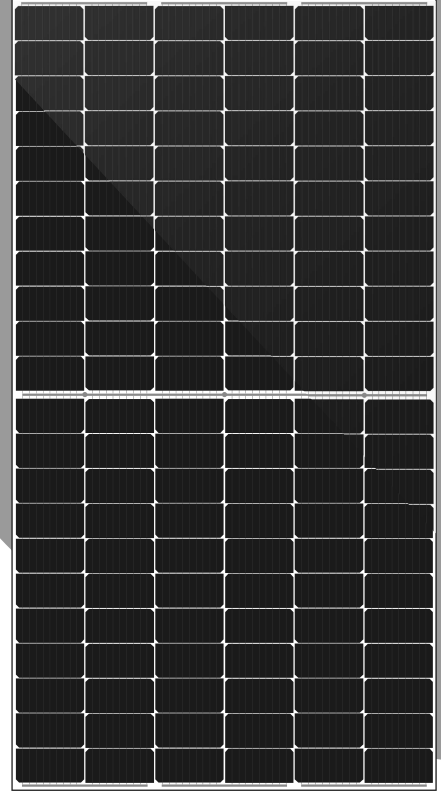
Half-Cell High Efficiency PV Module

## Quality Guarantee

12-year Material & technology warranty  
25-year Linear power output warranty



▲ DAH Solar linear power output guarantee  
■ Standard linear power output guarantee



# 405~420W

Max  
Module  
Efficiency  
-  
**21.03%**



**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)

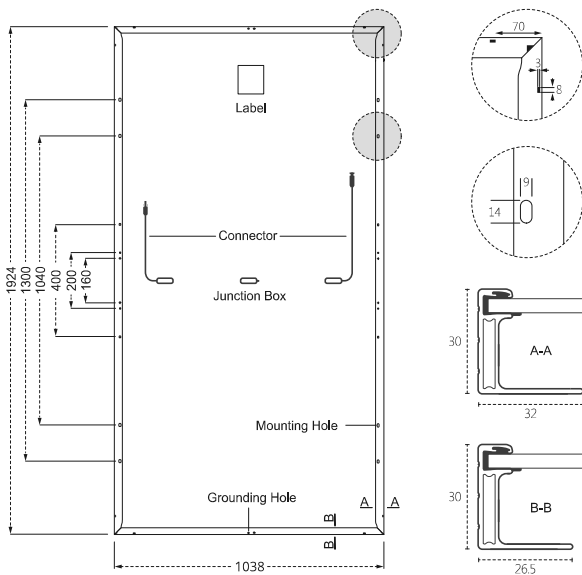
## Comprehensive Products and System Certificates



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-66L9(BW)-405~420W

## Design



## Mechanical Specification

Cells Type	Dimension (L×W×T)
<b>Mono 166×83mm</b>	<b>1924×1038×30mm</b>
Weight	Packing
<b>22kg</b>	<b>36pcs/pallet, 864pcs/40HQ</b>
Cable (Including connector)	4.0mm <sup>2</sup> , Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
No. of Cells	132 (6×22)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	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-66L9(BW)			
Maximum Power (P <sub>max</sub> )	405	410	415	420
Open-circuit Voltage (V <sub>oc</sub> )	45.0	45.2	45.4	45.6
Maximum Power Voltage (V <sub>mp</sub> )	37.4	37.6	37.8	38.0
Short-circuit Current (I <sub>sc</sub> )	11.30	11.36	11.42	11.48
Maximum Power Current (I <sub>mp</sub> )	10.83	10.90	10.98	11.05
Module Efficiency (%)	20.28	20.53	20.78	21.03
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> )	301	305	309	312
Open-circuit Voltage (V <sub>oc</sub> )	42.2	42.4	42.6	42.8
Maximum Power Voltage (V <sub>mp</sub> )	35.1	35.3	35.5	35.6
Short-circuit Current (I <sub>sc</sub> )	9.13	9.18	9.23	9.28
Maximum Power Current (I <sub>mp</sub> )	8.59	8.65	8.71	8.77

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

## I-V Curve DHM-66L9(BW)-415W

