

Mono Perc

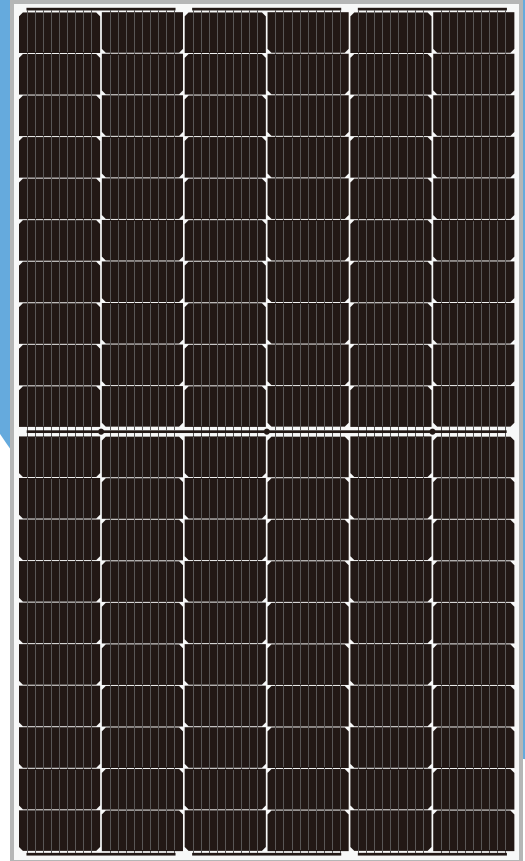
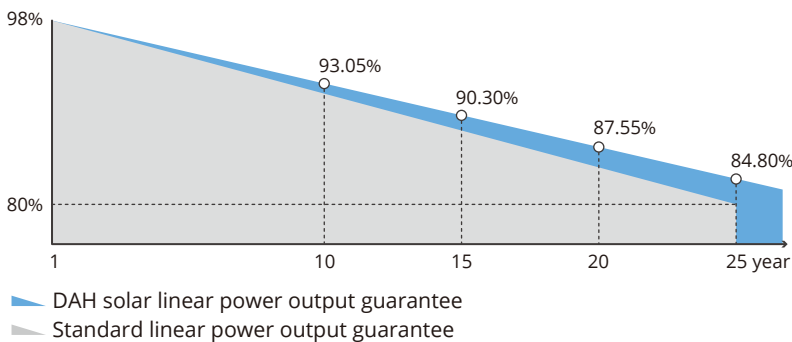
DHM-60L9

Half-Cell High Efficiency PV Module

Quality Guarantee

12-year Material & technology warranty

25-year Linear power output warranty



360~390W^{0 ~ +5W}

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)

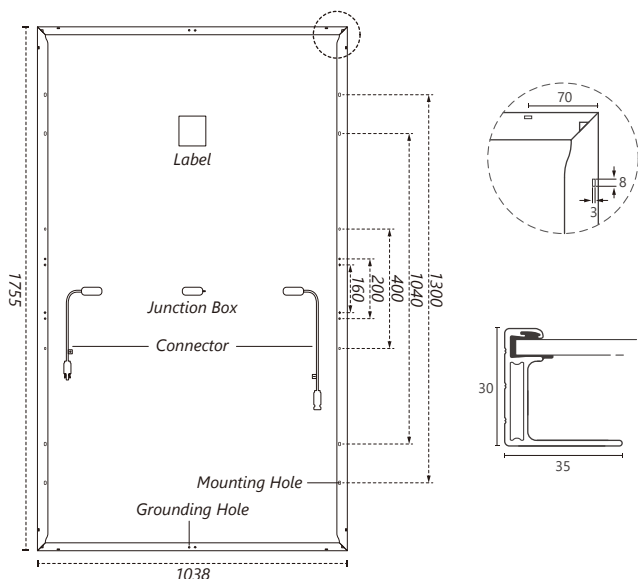
Comprehensive Products and System Certificates



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

4.0mm², 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 (Pmax)	360W	365W	370W	375W	380W	385W	390W
Open-circuit Voltage (Voc)	40.6V	40.8V	41.0V	41.2V	41.4V	41.6V	41.8V
Maximum Power Voltage (Vmp)	33.8V	34.0V	34.2V	34.4V	34.6V	34.8V	35.0V
Short-circuit Current (Isc)	11.24A	11.30A	11.36A	11.42A	11.48A	11.54A	11.60A
Maximum Power Current (Imp)	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 Isc	0.05%/°C						
Temperature Coefficient of Voc	-0.31%/°C						
Temperature Coefficient of Pmax	-0.35%/°C						

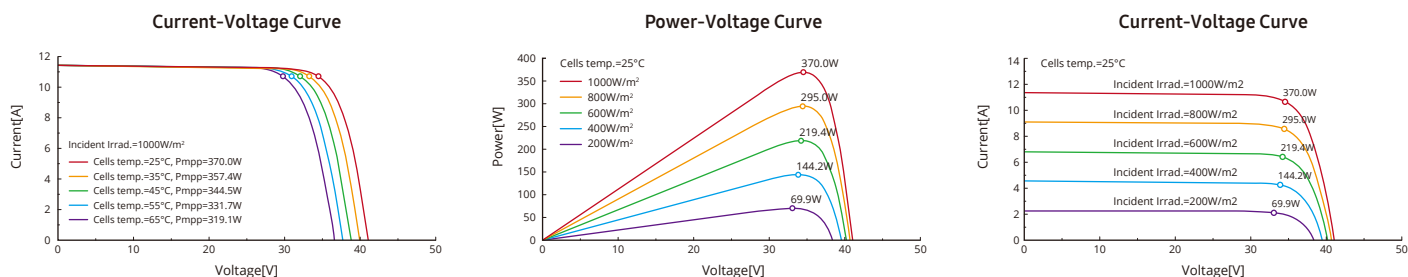
Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT-Electrical Characteristics

Maximum Power (Pmax)	271W	274W	278W	282W	286W	289W	293W
Open-circuit Voltage (Voc)	38.4V	38.6V	38.8V	39.0V	39.2V	39.4V	39.6V
Maximum Power Voltage (Vmp)	32.0V	32.2V	32.4V	32.6V	32.7V	32.9V	33.1V
Short-circuit Current (Isc)	9.07A	9.12A	9.17A	9.22A	9.26A	9.31A	9.36A
Maximum Power Current (Imp)	8.46A	8.53A	8.59A	8.66A	8.72A	8.79A	8.85A

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

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





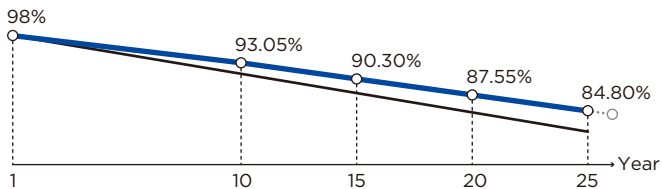
DHM-54X10/FS
390~420W

Full Screen *NO RESIDUE OF WATER & DUST*

Silver Frame or Full Black design are customizable >>>

Quality Guarantee

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



- DAH Solar Linear power output guarantee
- Standard Linear power output guarantee

Comprehensive Products & 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



Increase power generation by 6.15%+
Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk.



Curved Surface 128° R Angle
Reduce holding pressure by 75%+
Curved Frame with ergonomic Design, optimized Delivery and Installation Experience.



Revolutionary Packaging Technology
Using excellent frame packaging technology,
Strong Adhesion, Durable in Use.



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

DHM-54X10/FS

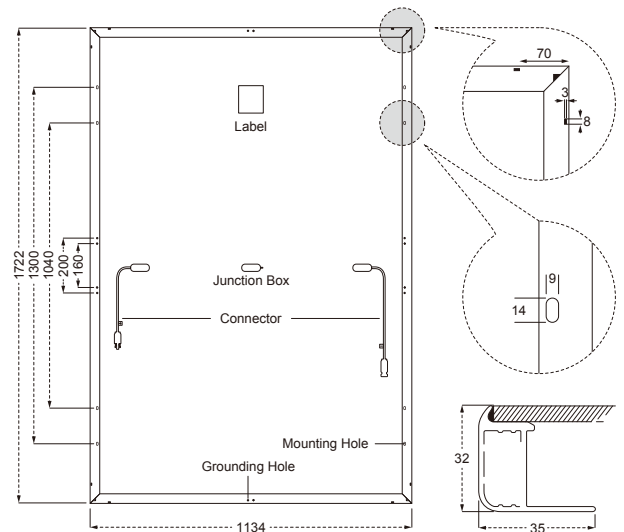
390~420W



Mechanical Specification

Cable	4.0mm ² , 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	108 (6×18)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	22kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1722×1134×32mm
Packing	34pcs/pallet, 884pcs/40HQ

Design



Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

STC — Electrical Characteristics

Module Type	DHM-54X10/FS						
Maximum Power (Pmax/W)	390	395	400	405	410	415	420
Open-circuit Voltage (Voc/V)	36.4	34.6	36.8	37.0	37.2	37.4	37.6
Maximum Power Voltage (Vmp/V)	30.9	31.1	31.3	31.5	31.7	31.9	32.1
Short-circuit Current (Isc/A)	13.40	13.42	13.48	13.54	13.60	13.66	13.72
Maximum Power Current (Imp/A)	12.60	12.69	12.77	12.85	12.92	13.00	13.07
Module Efficiency (%)	19.97	20.23	20.48	20.74	21.00	21.25	21.51

Power Tolerance: 0~+5, W 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/m², Cell temperature 25°C, Spectrum AM1.5

NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	290	294	298	301	305	309	312
Open-circuit Voltage (Voc/V)	34.1	34.3	34.5	34.7	34.9	35.1	35.3
Maximum Power Voltage (Vmp/V)	29.0	29.2	29.4	29.6	29.8	29.9	30.1
Short-circuit Current (Isc/A)	10.79	10.84	10.89	10.94	10.99	11.04	11.09
Maximum Power Current (Imp/A)	10.01	10.07	10.13	10.19	10.25	10.31	10.38

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

I-V Curve (DHM-54X10/FS-420W)

