

Mono Perc

DHM72L9

Half-Cell High Efficiency PV Module



Optimal Design Combination
166mm+9BB+Half-cut, higher power output



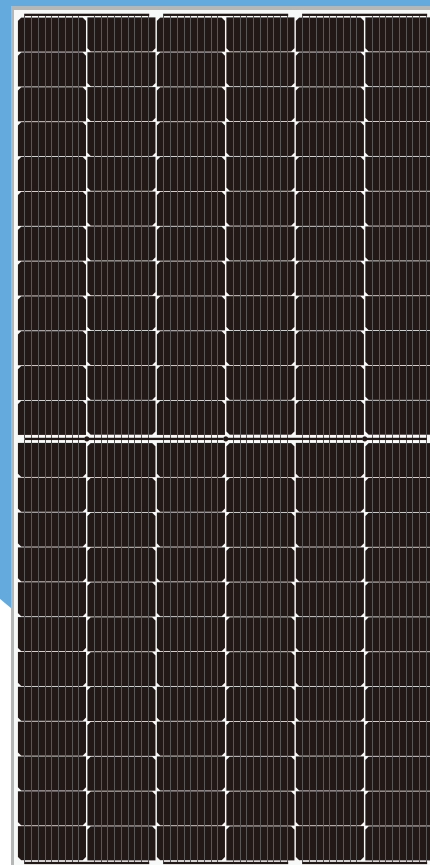
Super Performance & Stable Returns
Low current & low hot spot, to ensure module operation optimally



Diversified Application Scenarios
Strong weather-resistance, suitable for various roof installation



Lower LCOE
Lower BOS, less installation area



Comprehensive Products and System Certificates

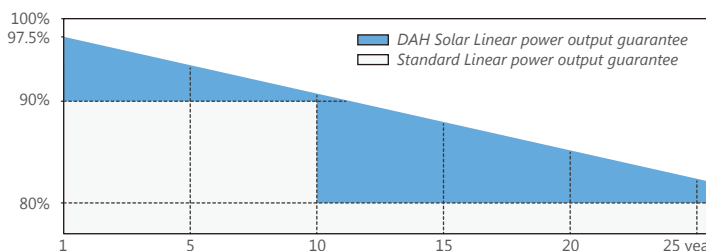
IEC 61215 / IEC 61730 / CE / INMETRO
ISO 9001: 2015/Quality management system
ISO 14001: 2015/Standards for environmental management system
OHSAS 18001: 2007/International standards for occupational health & safety

430~460W

Max
Module
Efficiency
-
21.16%

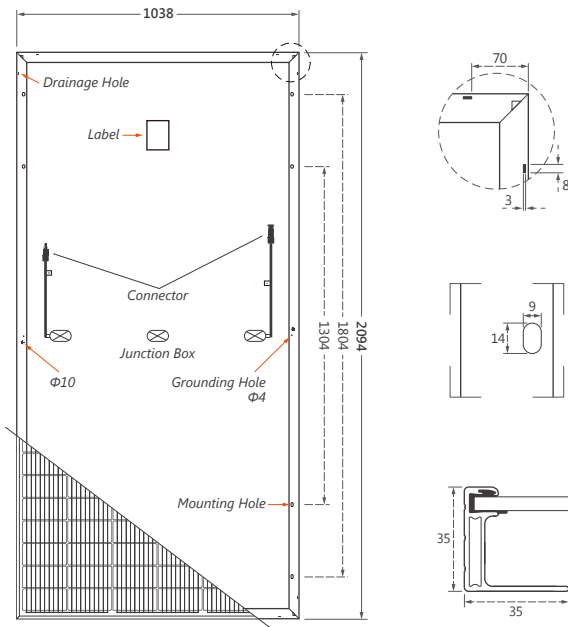
Quality Guarantee

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



DHM72L9 430~460W

DESIGN



MECHANICAL SPECIFICATION

| Cells Type | Dimension (L×W×T) | Weight |
|--------------------------------|--|--------|
| Mono 166×83mm | 2094×1038×35mm | 23.5kg |
| Packing | 31pcs/pallet, 682pcs/40HQ | |
| Cable (Including connector) | 4.0mm ² , Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-) | |
| No.of Cells | 144 (6×24) | |
| Glass | 3.2mm High Transmission, Antireflection Coating | |
| Junction box | IP68, 3 Bypass Diodes | |
| Connector | 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 |

ELECTRICAL CHARACTERISTICS(STC)

| MODULE TYPE | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 |
|---|-----------|---------|---------|---------|---------|---------|---------|
| Maximum Power (P _{max}) | 430W | 435W | 440W | 445W | 450W | 455W | 460W |
| Open-circuit Voltage (V _{oc}) | 48.70V | 48.85V | 49.00V | 49.15V | 49.30V | 49.45V | 49.60V |
| Maximum Power Voltage (V _{mp}) | 41.51V | 41.66V | 41.81V | 41.96V | 42.11V | 42.26V | 42.41V |
| Short-circuit Current (I _{sc}) | 11.23A | 11.26A | 11.29A | 11.32A | 11.35A | 11.38A | 11.41A |
| Maximum Power Current (I _{mp}) | 10.36A | 10.44A | 10.52A | 10.61A | 10.69A | 10.77A | 10.85A |
| Module Efficiency (%) | 19.78% | 20.01% | 20.24% | 20.47% | 20.70% | 20.93% | 21.16% |
| Power Tolerance | 0~+5W | | | | | | |
| 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

ELECTRICAL CHARACTERISTICS(NOCT)

| MODULE TYPE | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 | DHM72L9 |
|--|---------|---------|---------|---------|---------|---------|---------|
| Maximum Power (P _{max}) | 323W | 327W | 331W | 334W | 338W | 342W | 346W |
| Open-circuit Voltage (V _{oc}) | 46.09V | 46.23V | 46.37V | 46.51V | 46.66V | 46.80V | 46.94V |
| Maximum Power Voltage (V _{mp}) | 39.28V | 39.43V | 39.57V | 39.71V | 39.85V | 39.99V | 40.14V |
| Short-circuit Current (I _{sc}) | 9.06A | 9.09A | 9.11A | 9.13A | 9.16A | 9.18A | 9.21A |
| Maximum Power Current (I _{mp}) | 8.23A | 8.29A | 8.36A | 8.42A | 8.49A | 8.55A | 8.61A |

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