

Poly Perc

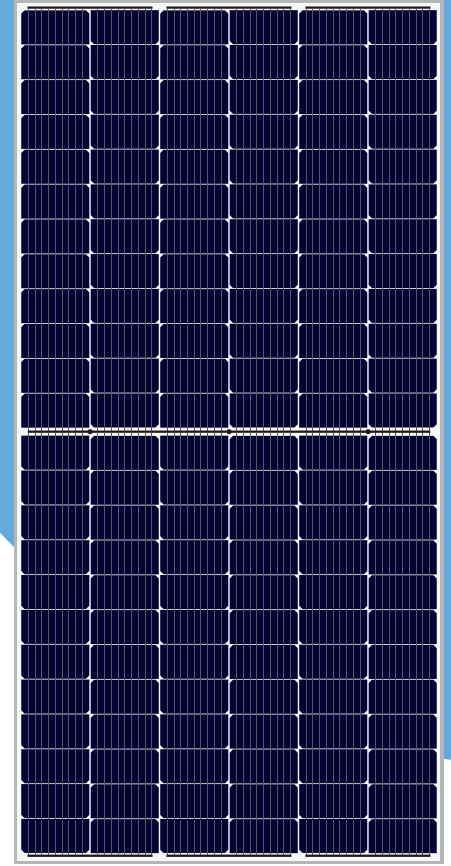
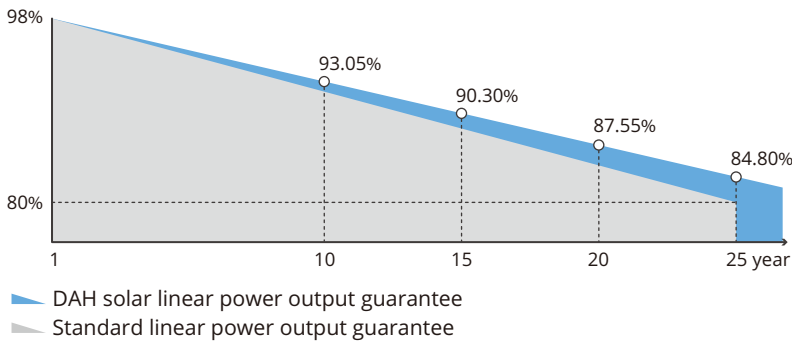
DHP-72L9

Half-Cell High Efficiency PV Module

Quality Guarantee

12-year Material & technology warranty

25-year Linear power output warranty



400~435W^{0 ~ +5W}

Max
Module
Efficiency
-
20.01%



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-

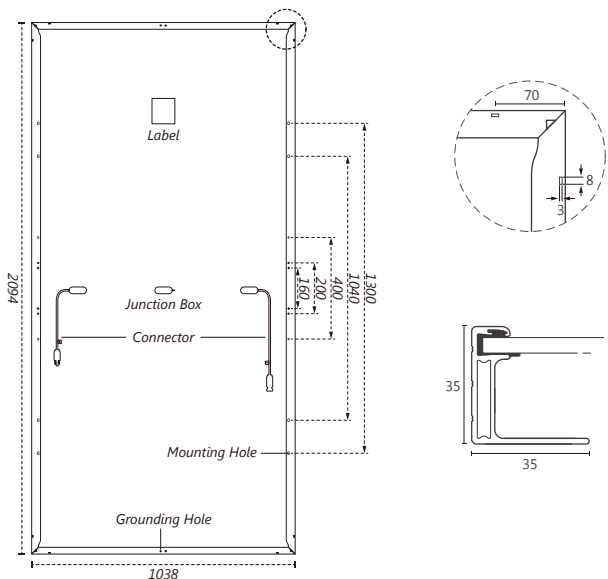
2015/Standards for environmental management system

OHSAS 18001-

2007/International standards for occupational health & safety

DHP-72L9 400~435W

Design



Mechanical Specification

Cells Type
Poly 166×83mm

Weight
23.5kg

Cable
(Including connector)

No. of Cells

Glass

Junction box

Connector

Dimension (L×W×T)
2094×1038×35mm

Packing
31pcs/pallet, 682pcs/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	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	DHP-72L9							
Maximum Power (P _{max})	400W	405W	410W	415W	420W	425W	430W	435W
Open-circuit Voltage (V _{oc})	47.4V	47.6V	47.8V	48.0V	48.2V	48.4V	48.6V	48.8V
Maximum Power Voltage (V _{mp})	38.7V	38.9V	39.1V	39.3V	39.5V	39.7V	39.9V	40.1V
Short-circuit Current (I _{sc})	10.84A	10.92A	11.00A	11.08A	11.16A	11.24A	11.32A	11.40A
Maximum Power Current (I _{mp})	10.34A	10.41A	10.49A	10.56A	10.63A	10.71A	10.78A	10.85A
Module Efficiency (%)	18.40%	18.63%	18.86%	19.09%	19.32%	19.55%	19.78%	20.01%
Temperature Coefficient of I _{sc}	0.05%/°C							
Temperature Coefficient of V _{oc}	-0.31%/°C							
Temperature Coefficient of P _{max}	-0.37%/°C							

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

NOCT-Electrical Characteristics

Maximum Power (P _{max})	296W	300W	304W	307W	311W	315W	319W	322W
Open-circuit Voltage (V _{oc})	44.5V	44.6V	44.8V	45.0V	45.2V	45.4V	45.6V	45.8V
Maximum Power Voltage (V _{mp})	36.3V	36.5V	36.7V	36.9V	37.1V	37.2V	37.4V	37.6V
Short-circuit Current (I _{sc})	8.76A	8.82A	8.89A	8.95A	9.02A	9.08A	9.15A	9.21A
Maximum Power Current (I _{mp})	8.16A	8.22A	8.28A	8.34A	8.40A	8.45A	8.51A	8.57A

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

I-V Curve (DHP-72L9-420W)

