

Honeywell

HW-6N72HC-MF

560W~585W

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module output up to 585W with module efficiency up to 22.65% by using the most advanced, N-Type TOPCon cell technology.
- Lower annual power degradation and higher energy yield during the module's lifetime.
- Superior performance under high temperature and low light conditions.
- High load-bearing capacity which can withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Excellent reliability and durability against extreme environmental conditions (high resistance to salt mist, ammonia, sand, acid and alkali, etc).
- The innovative design of low-voltage and higher string power output improves system efficiency reducing BOS cost and LCOE.

CERTIFICATIONS

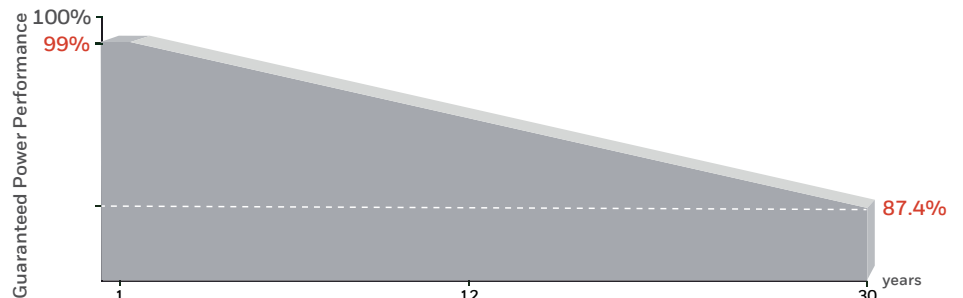
- IEC 61215(2021), IEC 61730 (2023), IEC 61701
- IEC 61215-2 (bifaciality): 2021
- ISO 9001:2015: Quality Management System
- ISO 14001:2015: Environment Management System
- ISO 45001:2018: Occupational health and safety management system



SPECIAL WARRANTY

- 20 years product warranty
- 30 years linear power output warranty
- < 1 % First year power degradation
- < 0.4 % Year 2-30 power degradation

Passionately
committed to
delivering innovative
energy solutions



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P _{max})	560W	565W	570W	575W	580W	585W
Open Circuit Voltage (V _{oc})	50.30 V	50.45 V	50.60 V	50.75 V	50.90V	51.10V
Short Circuit Current (I _{sc})	13.97 A	14.04 A	14.11 A	14.18 A	14.25 A	14.31 A
Maximum Power Voltage (V _{mp})	41.92V	42.07 V	42.22 V	42.37 V	42.52 V	42.70 V
Maximum Power Current(I _{mp})	13.36 A	13.43 A	13.50 A	13.57 A	13.64 A	13.70 A
Module Efficiency (%)	21.67 %	21.87 %	22.06 %	22.25 %	22.45 %	22.65 %
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1500V DC					
Fire Safety Class	Class C					
Maximum Series Fuse	25 A					

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of P_{max}: ±3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P _{max})	421 W	425W	429W	433 W	437 W	441 W
Open Circuit Voltage (V _{oc})	47.78V	47.91 V	48.08V	48.17 V	48.28V	48.40V
Short Circuit Current (I _{sc})	11.28 A	11.35 A	11.42 A	11.48 A	11.55 A	11.61 A
Voltage at Maximum Power (V _{mp})	39.45 V	39.58 V	39.71 V	39.84V	39.95V	40.18 V
Current at Maximum Power (I _{mp})	10.87A	10.74 A	10.81 A	10.87 A	10.94 A	11.00 A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline Silicon N-type (182x91mm)
Number of cells	144 (6x1.2x2)
Module dimensions	2278x1134x30mm
Weight	26.6kg
Front cover	low-iron tempered glass / 3.2mm
Backsheet	White
Frame	Aluminum hollow-chamber frame, anodized aluminum alloy silver
Junction box	IP68, 3 diodes
Cable	4mm ² , 300mm in length, length can be customized
Connector	MC4 compatible

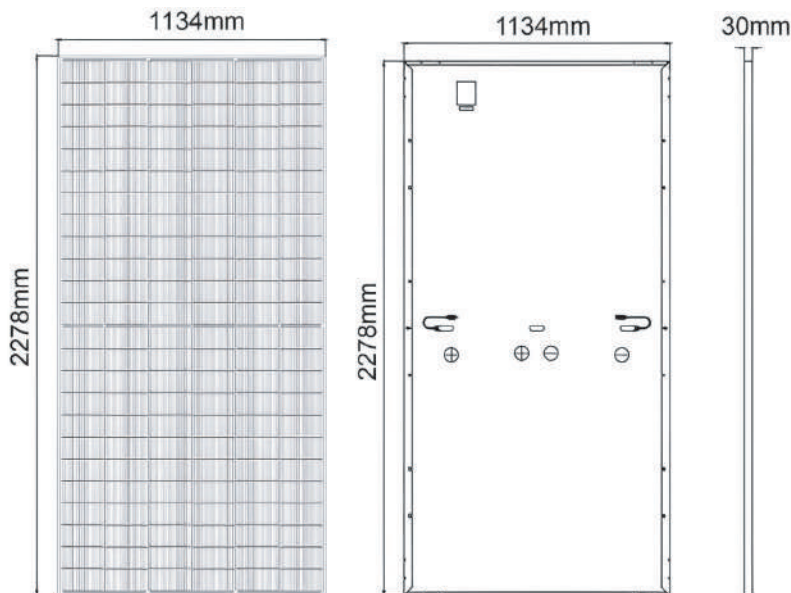
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P _{max}	-0.30%/°C
Temperature Coefficients of VOC	-0.24%/°C
Temperature Coefficients of ISC	0.043%/°C

PACKAGING

Standard packaging	36 pcs/pallet
Module quantity per 20' container	180 pcs
Module quantity per 40' container	720 pcs (HQ)

ENGINEERING DRAWINGS



CURRENT-VOLTAGE CURVES

