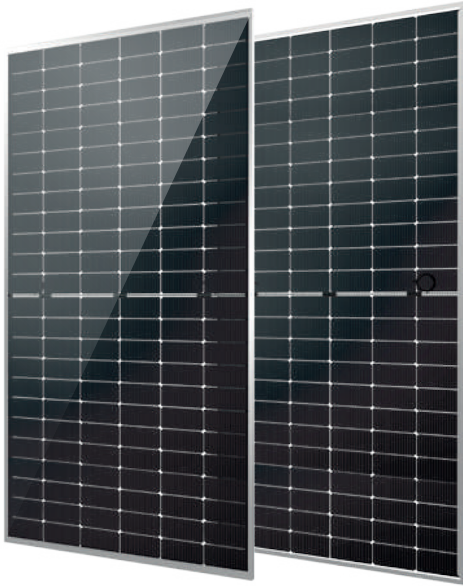


# Honeywell

## HW-6N72HC-BF

## 560W~585W

## MONOCRYSTALLINE MODULE



### ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module output up to 585W with module efficiency up to 22.64% by using the most advanced , N-Type TOPCon cell technology.
- Transparent double glass with excellent fire rating, with better temperature coefficient.
- 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).
- More power gain up to 30% by utilizing the ambient light reflected from surrounding surface.

### CERTIFICATIONS

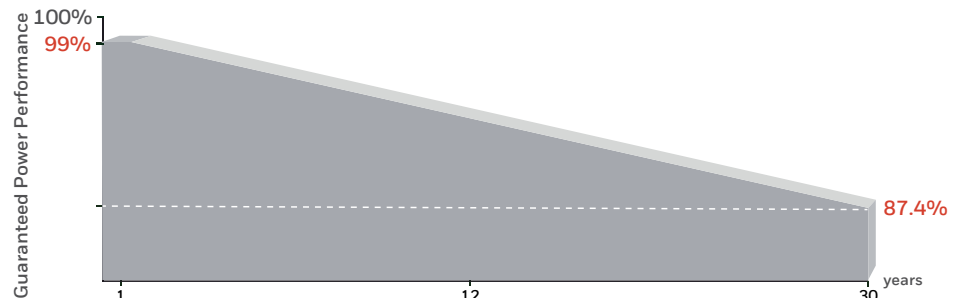
- IEC 61215 (2021), IEC 61730 (2023), IEC 61701
- IEC 61215-2 (bifaciality): 2021
- ISO 9001:2015: Quality Management System
- ISO 14001:2015: Environment Management System
- ISO 45001:2018: Occupational health and safety management system



### SPECIAL WARRANTY

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

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committed to  
delivering innovative  
energy solutions



## ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P <sub>max</sub> )	560W	565W	570W	575W	580W	585W
Open Circuit Voltage (V <sub>oc</sub> )	50.30 V	50.45 V	50.60 V	50.75 V	50.90V	51.10V
Short Circuit Current (I <sub>sc</sub> )	13.97 A	14.04 A	14.11 A	14.18 A	14.25 A	14.31 A
Maximum Power Voltage (V <sub>mp</sub> )	41.92V	42.07 V	42.22 V	42.37 V	42.52 V	42.70 V
Maximum Power Current(I <sub>mp</sub> )	13.36 A	13.43 A	13.50 A	13.57 A	13.64 A	13.70 A
Module Efficiency (%)	21.67 %	21.86 %	22.06 %	22.25 %	22.44 %	22.64 %
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1500V DC					
Fire Safety Class	Class A					
Maximum Series Fuse	25 A					

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5; Tolerance of P<sub>max</sub>: ±3%; Measurement Tolerance: ±3%

## ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P <sub>max</sub> )	421 W	425W	429 W	433 W	437 W	441 W
Open Circuit Voltage (V <sub>oc</sub> )	47.78V	47.91 V	48.08V	48.17 V	48.28V	48.40V
Short Circuit Current (I <sub>sc</sub> )	11.28 A	11.35 A	11.42 A	11.48 A	11.55 A	11.61 A
Voltage at Maximum Power (V <sub>mp</sub> )	39.45 V	39.58 V	39.71 V	39.84V	39.95V	40.18 V
Current at Maximum Power (I <sub>mp</sub> )	10.67A	10.74 A	10.81A	10.87 A	10.94 A	11.00 A

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind Speed 1 m/s

## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

Module Type	560M	565M	570M	575M	580M	585M
Maximum Power (Wp)	605W	610W	615W	620W	625W	630W
Open Circuit Voltage (V <sub>oc</sub> )	50.3V	50.45V	50.6V	50.75V	50.90V	51.10V
Short Circuit Current (I <sub>sc</sub> )	15.09A	15.17V	15.24A	15.32V	15.39A	15.46V
Maximum Power Voltage (V <sub>m</sub> )	41.90V	42.07V	42.22V	42.35V	42.52V	42.70V
Maximum Power Current (I <sub>m</sub> )	14.44A	14.50A	14.57A	14.64A	14.70A	14.76A

\*Bifacial=P<sub>max, Rear</sub>/Rated P<sub>max, Front</sub>

## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline Silicon N-type, bifacial (182x91mm)
Number of cells	144 (8x12x2)
Module dimensions	2278x1134x30mm
Weight	26.6kg
Front / Back cover	low-iron tempered glass 2.0 / 2.0 mm
Frame	Aluminum hollow-chamber frame, anodized aluminum alloy silver
Junction box	IP68, 3 diodes
Cable	4mm <sup>2</sup> , 300mm in length, length can be customized
Connector	MC4 compatible

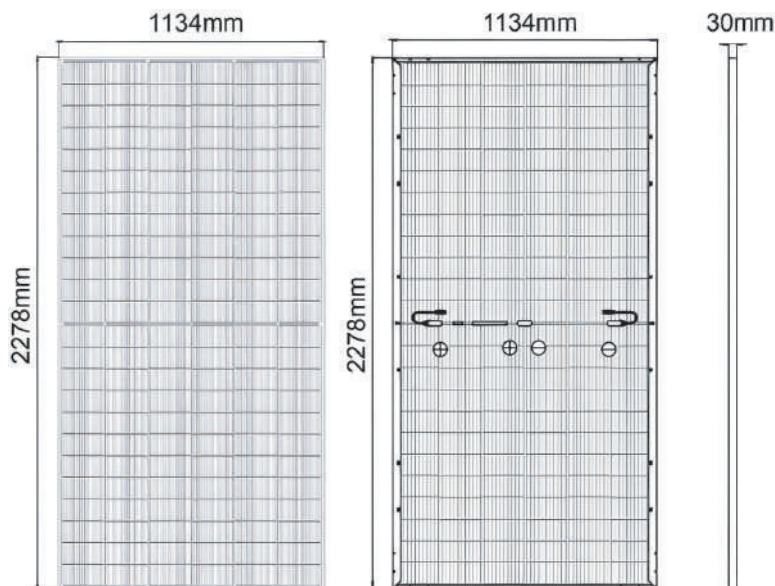
## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P <sub>max</sub>	-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

