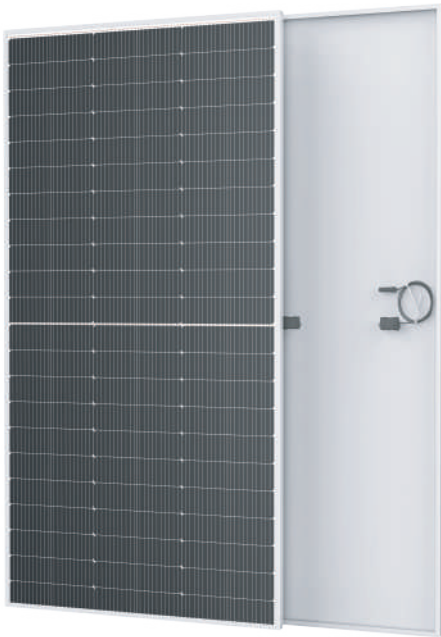




HW-8N66HC-MF

695W~715W

MONOCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module output up to 715W with module efficiency up to 23.02% by using the most advanced , N-Type TOPCon cell technology.
- Lower annual power degradation and high 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

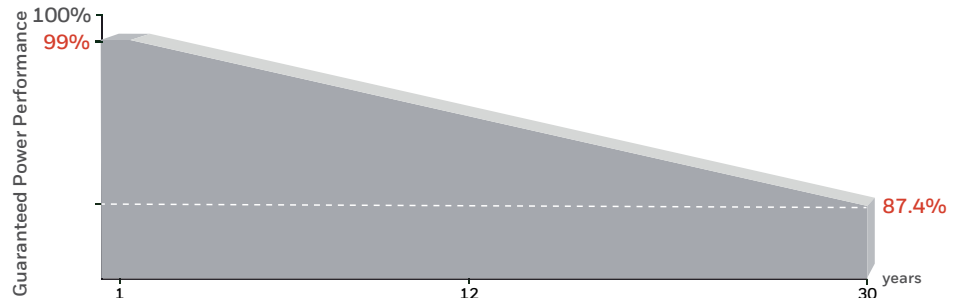
- IEC 61215 (2021), IEC 61730 (2023), IEC 61701
- IEC 61215-2 (bifaciality): 2021
- ISO 9001:2015: Quality Management System
- ISO 14001:2015: Environment Management System
- ISO 45001:2018: Occupational health and safety management system



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})	695W	700W	705W	710W	715W
Open Circuit Voltage (V _{oc})	48.43 V	48.60 V	48.77 V	48.94V	49.11 V
Short Circuit Current (I _{sc})	18.30 A	18.35 A	18.40 A	18.45 A	18.50 A
Maximum Power Voltage (V _{mp})	40.18V	40.35 V	40.52 V	40.69 V	40.86 V
Maximum Power Current(I _{mp})	17.30 A	17.35 A	17.40 A	17.45 A	17.50A
Module Efficiency (%)	22.37 %	22.53 %	22.70 %	22.86 %	23.02 %
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1500V DC				
Fire Safety Class	Class C				
Maximum Series Fuse	35 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})	523 W	526 W	530 W	534 W	538 W
Open Circuit Voltage (V _{oc})	46.01V	46.17 V	46.33 V	46.49 V	46.65V
Short Circuit Current (I _{sc})	14.77 A	14.82 A	14.86 A	14.90 A	14.94 A
Voltage at Maximum Power (V _{mp})	37.44 V	37.55 V	37.73 V	37.90 V	38.08 V
Current at Maximum Power (I _{mp})	13.97A	14.01 A	14.05 A	14.09 A	14.13 A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline Silicon N-type (210x105mm)
Number of cells	132 (6x11x2)
Module dimensions	2384x1303x33/35mm
Weight	34kg
Front cover	low-iron tempered glass / 3.2mm
Backsheet	White
Frame	Aluminum hollow-chamber frame, nodized aluminum alloy silver
Junction box	IP68, 3 diodes
Cable	4mm ² , 300mm in length, length can be customized
Connector	MC4 compatible

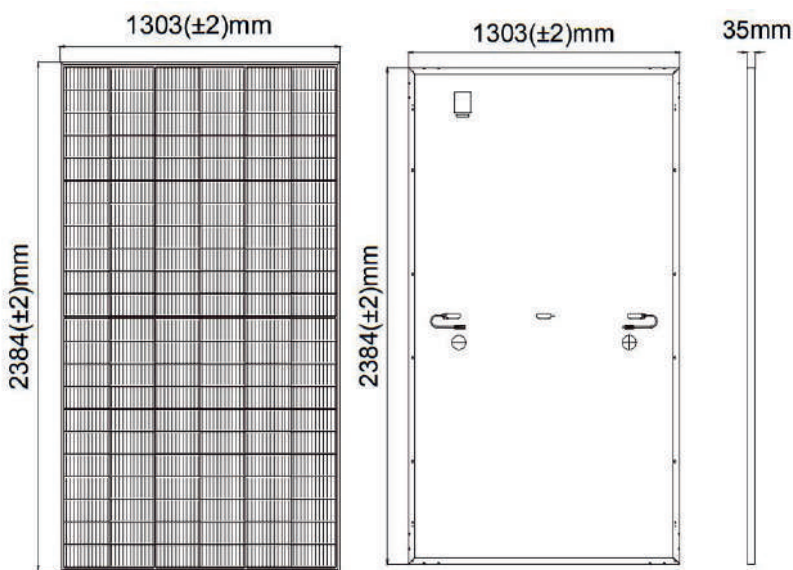
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P _{max}	-0.34%/°C
Temperature Coefficients of VOC	-0.25%/°C
Temperature Coefficients of ISC	0.04%/°C

PACKAGING

Standard packaging	31 pcs/pallet
Module quantity per 40' container (33mm)	594 pcs (HQ)
Module quantity per 40' container (35mm)	558 pcs (HQ)

ENGINEERING DRAWINGS



CURRENT-VOLTAGE CURVES

