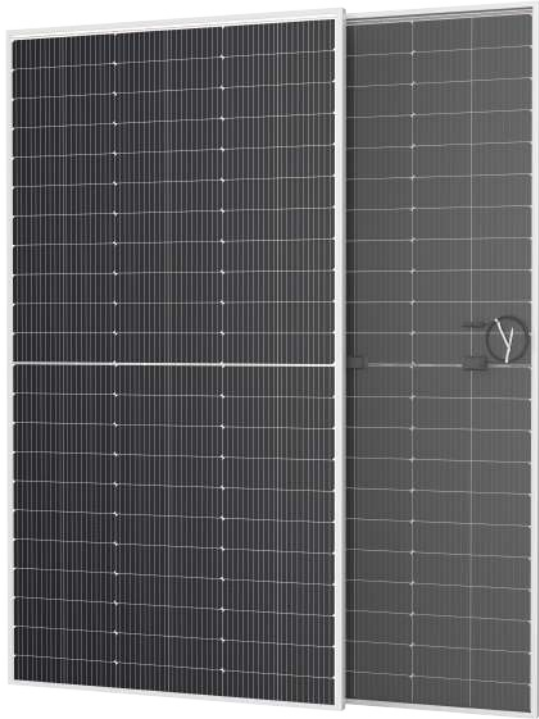


# Honeywell

## HW-8N132-BF

## 695W~715W

### MONOCRYSTALLINE MODULE



#### ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 23.02% by using the most advanced N-Type TOPCon cell technology.
- More power gain up to 30% by utilizing the ambient light reflected from surrounding surface.
- 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).
- Potential induced degradation (PID) free

#### CERTIFICATIONS

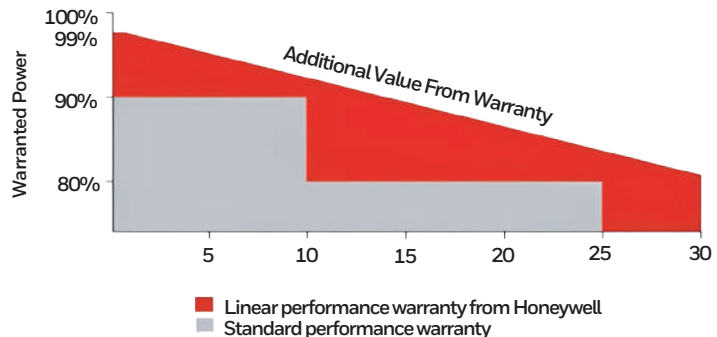
- IEC 61215, IEC 61730, CE
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental managements system
- ISO 45001:2018: Occupational health and safety management system



#### SPECIAL WARRANTY

- 20 years product warranty
- 30 years linear power output warranty

Passionately  
committed to  
delivering innovative  
energy solution



## ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P <sub>max</sub> )	695W	700W	705W	710W	715W
Open Circuit Voltage (V <sub>oc</sub> )	50.0V	50.2V	50.4V	50.6V	50.8V
Short Circuit Current (I <sub>sc</sub> )	17.39A	17.43A	17.47A	17.51A	17.55A
Voltage at Maximum Power (V <sub>mp</sub> )	42.0V	42.2V	42.4V	42.6V	42.8V
Current at Maximum Power (I <sub>mp</sub> )	16.55A	16.59A	16.63A	16.67A	16.71A
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 Resistance Rating	Class C				
Maximum Series Fuse Rating	35 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> )	522W	526W	530W	534W	538W
Open Circuit Voltage (V <sub>oc</sub> )	47.0V	47.2V	47.4V	47.6V	47.8V
Short Circuit Current (I <sub>sc</sub> )	14.09A	14.12A	14.15A	14.18A	14.21A
Voltage at Maximum Power (V <sub>mp</sub> )	39.0V	39.2V	39.4V	39.6V	39.8V
Current at Maximum Power (I <sub>mp</sub> )	13.39A	13.42A	13.46A	13.49A	13.52A

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

## ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (EXAMPLE: HW-8N132-BF-695W)

Power Gain	P <sub>max</sub>	V <sub>oc</sub>	I <sub>sc</sub>	V <sub>mp</sub>	I <sub>mp</sub>
10 %	765W	50.0V	19.14A	42.0V	18.22A
15 %	799W	50.0V	19.99A	42.0V	19.03A
20 %	834W	50.0V	20.86A	42.0V	19.86A
25 %	869W	50.0V	21.74A	42.0V	20.70A
30 %	904W	50.0V	22.62A	42.0V	21.53A

## MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline N-type
Number of cells	132 (6x22)
Module dimensions	2384x1303x35mm
Weight	38.5kg
Front cover	2mm tempered glass whit AR coating
Back cover	2mm tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm <sup>2</sup> , Length: Portrait: 300mm; Landscape: 1400mm
Connector	MC4 compatible

## TEMPERATURE CHARACTERISTICS

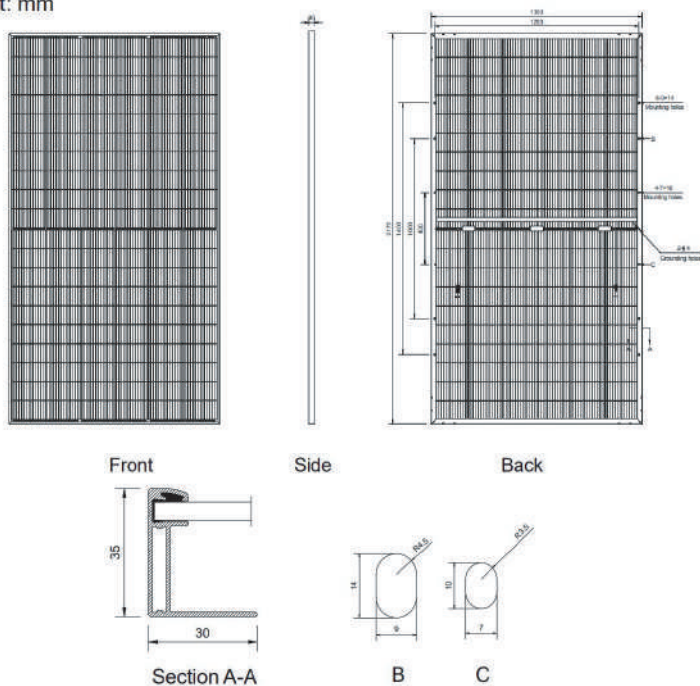
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P <sub>max</sub>	-0.30%/°C
Temperature Coefficients of V <sub>OC</sub>	-0.25%/°C
Temperature Coefficients of I <sub>SC</sub>	0.045%/°C

## PACKAGING

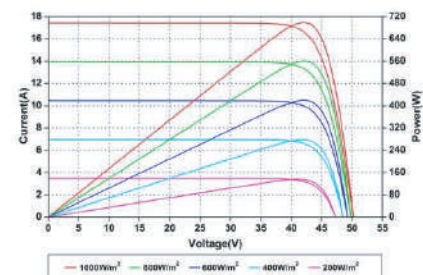
Standard packaging	31 pcs/pallet
Module quantity per 20' container	124 pcs
Module quantity per 40' container	558 pcs (HQ)

## ENGINEERING DRAWINGS

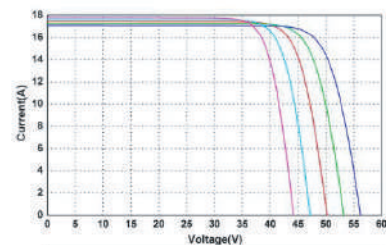
Unit: mm



## IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures