Honeywell

HW-8N132-MF

695W~715W

MONOCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

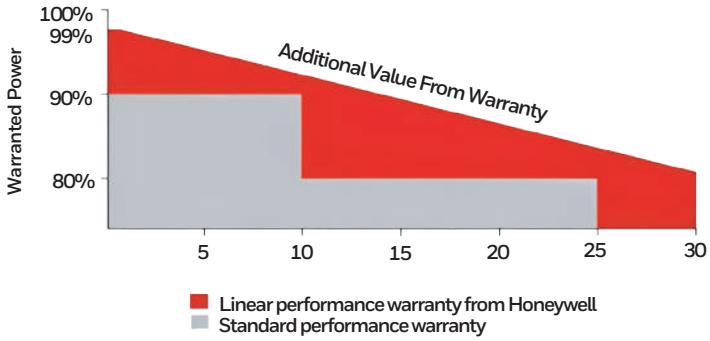
- High module conversion efficiency up to 23.02% by using the most advanced N-Type TOPCon cell technology.
- Lower annual power degradation and higher energy yield during the module's lifetime.
- Superior performance under high temperature and low light conditions.
- High load-bearing capacity which 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

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ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	695W	700W	705W	710W	715W
Open Circuit Voltaje (V_{oc})	50.0 V	50.2 V	50.4 V	50.6 V	50.8V
Short Circuit Current (I_{sc})	17.39 A	17.43 A	17.47 A	17.51 A	17.55A
Voltage at Maximum Power (V_{mp})	42.0 V	42.2 V	42.4 V	42.6V	42.8 V
Current at Maximum Power (I_{mp})	16.55 A	16.59 A	16.63 A	16.67 A	16.71 A
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	30 A				

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

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	522W	526W	530W	534W	538W
Open Circuit Voltaje (V_{oc})	47.0V	47.2V	47.4V	47.6V	47.8V
Short Circuit Current (I_{sc})	14.09 A	14.12 A	14.15 A	14.18 A	14.21 A
Voltage at Maximum Power (V_{mp})	39.0 V	39.2 V	39.4 V	39.6 V	39.8 V
Current at Maximum Power (I_{mp})	13.39 A	13.42 A	13.46 A	13.49 A	13.52 A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline N-type
Number of cells	132 (6x22)
Module dimensions	2384x1303x30mm
Weight	34 kg
Front cover	3.2mm tempered glass whit AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm2, Lenght: Portrait: 300mm: Landscape: 1400mm
Connector	MC4 compatible

TEMPERATURE CHARACTERISTICS

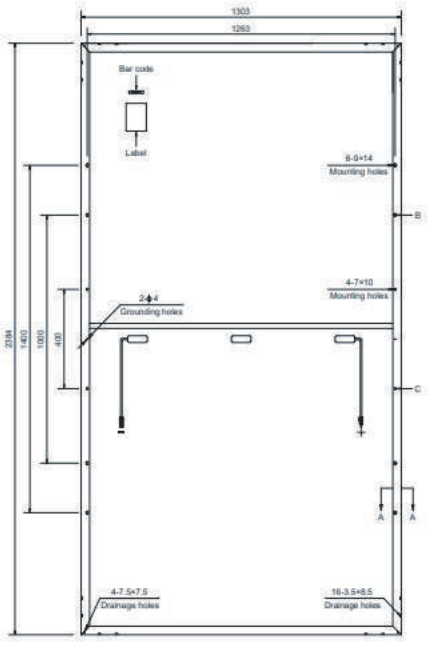
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax)	-0.30%/°C
Temperature Coefficients of VOC	-0.25%/°C
Temperature Coefficients of ISC	0.045%/°C

PACKAGING

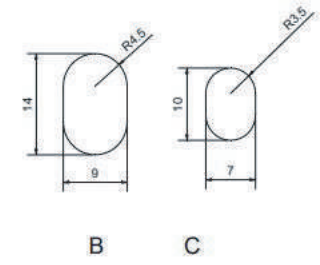
Standard packaging	36 pcs/pallet
Module quantity per 20' container	144 pcs
Module quantity per 40' container	648 pcs (HQ)

ENGINEERING DRAWINGS

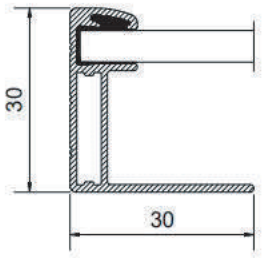
Unit: mm



Rear View

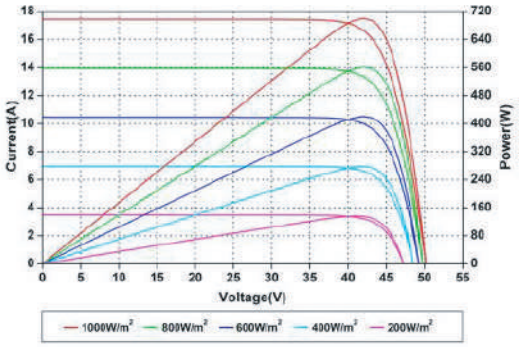


B C

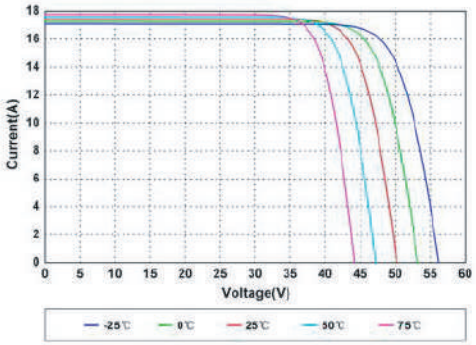


Section A-A

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures