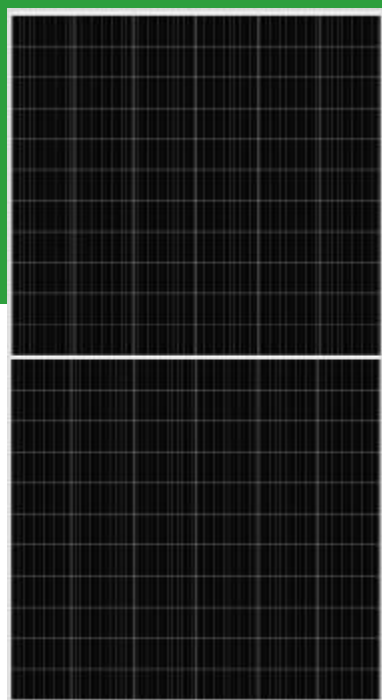




AS-8M132N-HC 705W~725W

MONOCRYSTALLINE N-TYPE TOPCON MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 22.50% by using innovative Half-cell design and Multi-busbar(MBB) cell technology.
- Low temperature coefficient and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.

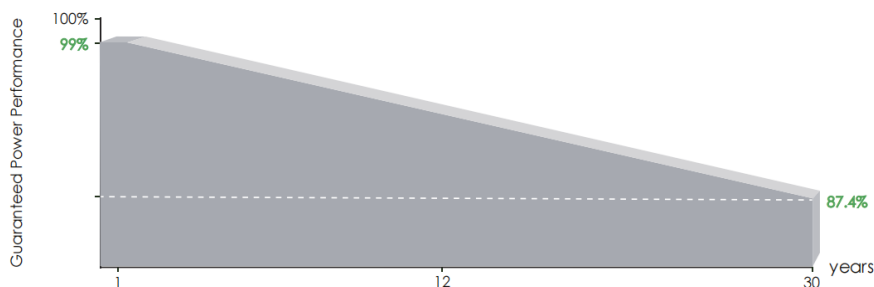
CERTIFICATIONS

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

SPECIAL WARRANTY

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

LINEAR PERFORMANCE WARRANTY



Passionately
committed to
delivering innovative
energy solution

ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	705W	710W	715W	720W	725W
Open Circuit Voltage (V_{oc})	48.10V	48.30V	48.50V	48.70V	48.90V
Short Circuit Current (I_{sc})	18.54A	18.59A	18.64A	18.69A	18.74A
Voltage at Maximum Power (V_{mp})	40.20V	40.40V	40.60V	40.80V	41.00V
Current at Maximum Power (I_{mp})	17.54A	17.58A	17.61A	17.65A	17.69A
Module Efficiency (%)	22.70	22.85	23.02	23.18	23.34
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000/1500VDC(IEC)				
Fire Resistance Rating	Class C				
Maximum Series Fuse Rating	35A				

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})	534W	538W	542W	546W	550W
Open Circuit Voltage (V_{oc})	45.60V	45.80V	46.00V	46.20V	46.40V
Short Circuit Current (I_{sc})	14.95A	14.99A	15.03A	15.07A	15.11A
Voltage at Maximum Power (V_{mp})	38.00V	38.20V	38.40V	38.60V	38.80V
Current at Maximum Power (I_{mp})	14.06A	14.10A	14.11A	14.15A	14.18A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline TOPCON 210*105mm
Number of cells	132(6x22)
Module dimensions	2384x1303x35mm
Weight	34kg
Front cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm ² , Portrait: 300mm
Connector	MC4 or MC4compatible

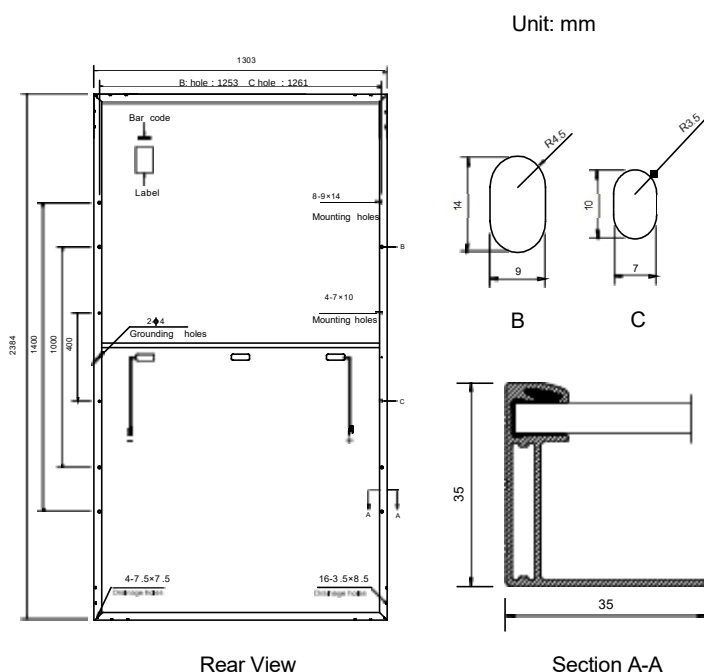
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.29%/°C
Temperature Coefficients of V_{oc}	-0.25%/°C
Temperature Coefficients of I_{sc}	0.045%/°C

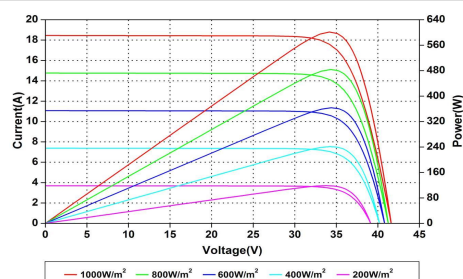
PACKAGING

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

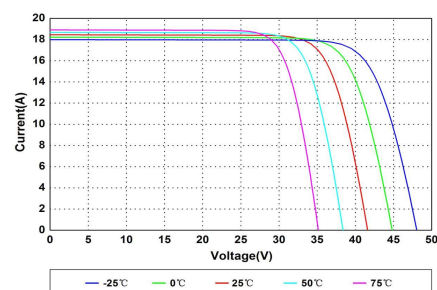
ENGINEERING DRAWINGS



IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.