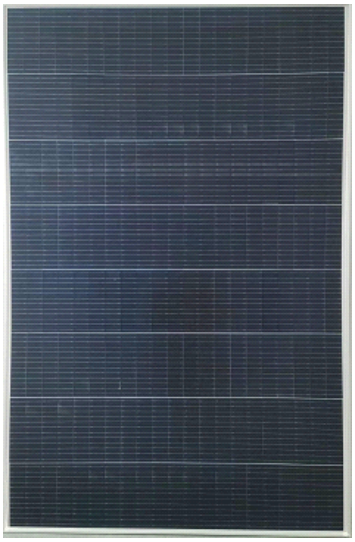
Tiger Plus

Monocrystalline Module

Type: AS-6M132-HC

430W	22.02%	0~+5W
Maximum Power	Maximum Efficiency	Power Tolerance



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 22.02% by using unique flexible interconnection technology and flexible back circuit encapsulation technology.
- Lower resistance loss and lower risk of hot-spot by adopting unique 1/4-cut 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.

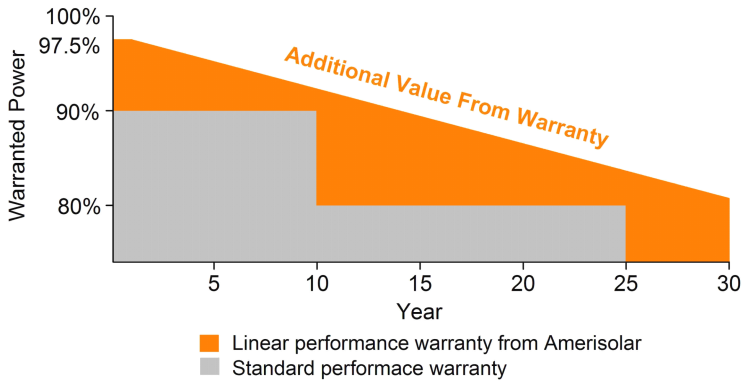
CERTIFICATIONS

- 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

Passionately committed to delivering innovative energy solution



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	410W	415W	420W	425W	430W
Open Circuit Voltage (V_{OC})	56.7V	57.0V	57.3V	57.6V	57.9V
Short Circuit Current (I_{SC})	9.12A	9.16A	9.20A	9.24A	9.28A
Voltage at Maximum Power (V_{mp})	47.8V	48.1V	48.4V	48.7V	49.0V
Current at Maximum Power (I_{mp})	8.58A	8.63A	8.68A	8.73A	8.78A
Module Efficiency (%)	21.00	21.25	21.51	21.76	22.02
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V DC/1500V DC				
Fire Resistance Rating	Class C				
Maximum Series Fuse Rating	20A				

STC: Irradiance 1000W/m^2, Cell temperature 25°C, AM1.5; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	307W	311W	315W	319W	323W
Open Circuit Voltage (V_{OC})	52.2V	52.4V	52.6V	52.8V	53.0V
Short Circuit Current (I_{SC})	7.40A	7.43A	7.46A	7.49A	7.52A
Voltage at Maximum Power (V_{mp})	43.5V	43.7V	43.9V	44.1V	44.3V
Current at Maximum Power (I_{mp})	7.06A	7.12A	7.18A	7.24A	7.30A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC
Cell size	210x52.5mm
Module dimensions	1722x1134x35mm (67.80x44.65x1.38inches)
Weight	21.0kg (46.3lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68
Cable	4mm^2 (0.006inches^2), 1000mm (39.37inches)
Connector	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

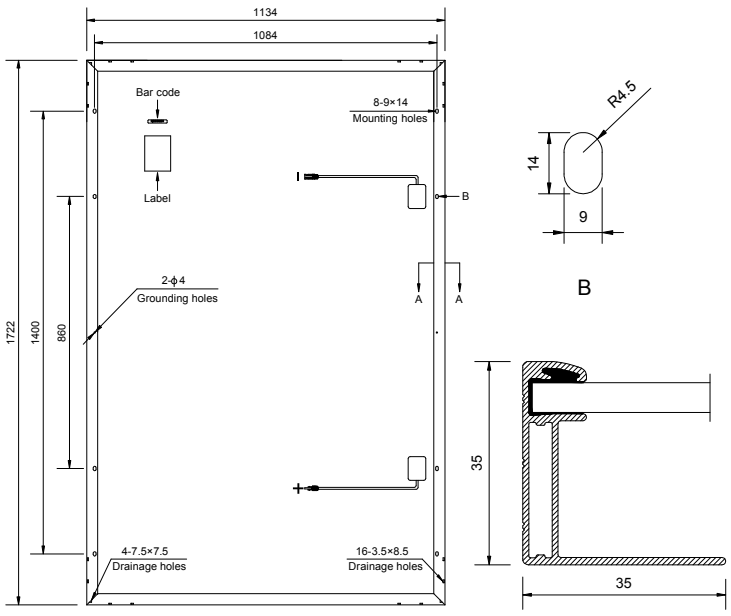
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P_{max}	-0.34%/°C
Temperature Coefficients of V_{OC}	-0.28%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

PACKAGING

Standard packaging	31pcs/pallet
Module quantity per 20' container	186pcs
Module quantity per 40' container	806pcs (HQ)

ENGINEERING DRAWINGS

Unit: mm



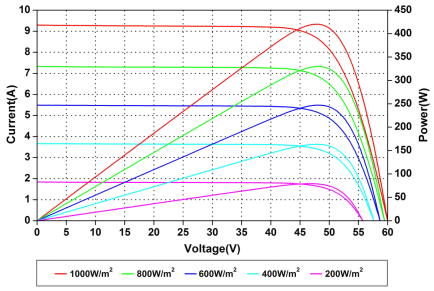
Rear View

B

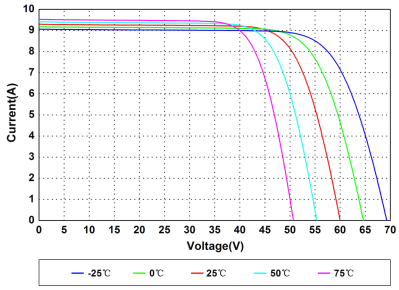
Section A-A

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

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures