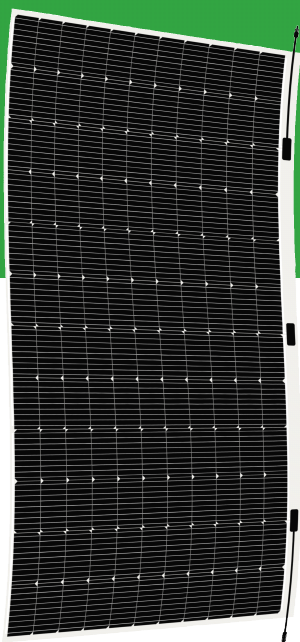




AS-7M132FL-HC

460W~480W

MONOCRYSTALLINE MODULE

Product Characteristics

- Optimized composite materials, 70% lighter at the same power
- Used advanced organic polymer encapsulation materials, bending radius reach 0.30m, fit all kinds of curved surface perfectly
- Through quickly bonding installation, requires no penetration, eliminates the use of mounting hardware

CERTIFICATIONS

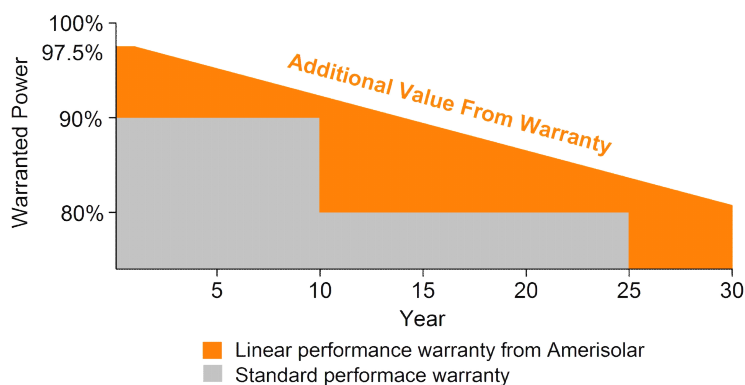
- IEC 61215, IEC 61730
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system



SPECIAL WARRANTY

- 12 years product warranty
- 25 years linear power output warranty

Passionately
committed to
delivering innovative
energy solution



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	460W	465W	470W	475W	480W
Open Circuit Voltage (V_{OC})	45.40V	45.53V	45.66V	45.79V	45.92V
Short Circuit Current (I_{SC})	12.54A	12.62A	12.70A	12.78A	12.86A
Voltage at Maximum Power (V_{mp})	38.27V	38.40V	38.53V	38.65V	38.78V
Current at Maximum Power (I_{mp})	12.02A	12.11A	12.20A	12.29A	12.38A
Module Efficiency (%)	18.09	18.29	18.49	18.68	18.88
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V DC/1500V DC				
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)				
Maximum Series Fuse Rating	20A				

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})	355W	359W	363W	367W	371W
Open Circuit Voltage (V_{OC})	41.74V	41.86V	41.98V	42.10V	42.22V
Short Circuit Current (I_{SC})	10.52A	10.58A	10.64A	10.70A	10.76A
Voltage at Maximum Power (V_{mp})	35.22V	35.37V	35.52V	35.67V	35.82V
Current at Maximum Power (I_{mp})	10.08A	10.15A	10.22A	10.29A	10.36A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC 182*91mm
Number of cells	132(12x11)
Module dimensions	2250x1130x2.0mm
Weight	7.2kg
Front cover	Lightweight high transparent polymer materials
Junction box	IP68, 3 diodes
Cable	4mm ² , 450mm
Connector	MC4 compatible

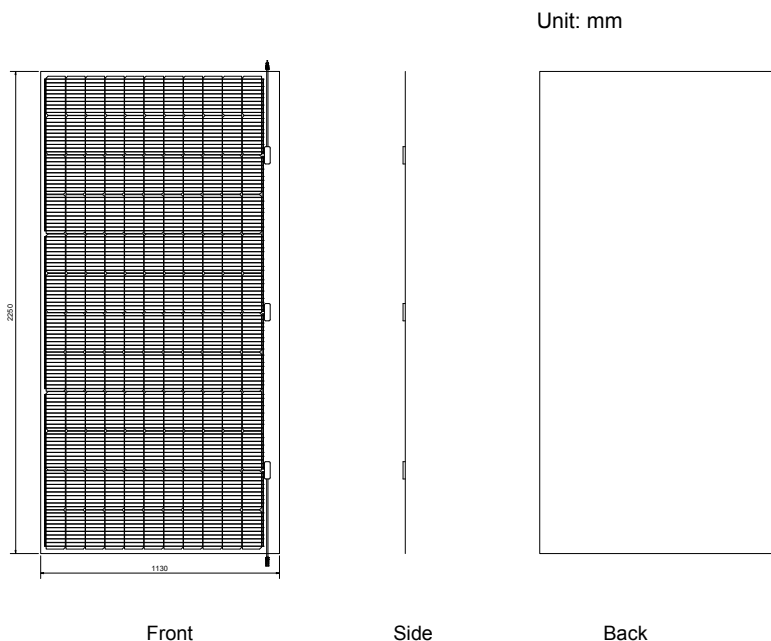
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	42°C±2°C
Temperature Coefficients of P_{max}	-0.39%/°C
Temperature Coefficients of V_{OC}	-0.30%/°C
Temperature Coefficients of I_{SC}	0.06%/°C

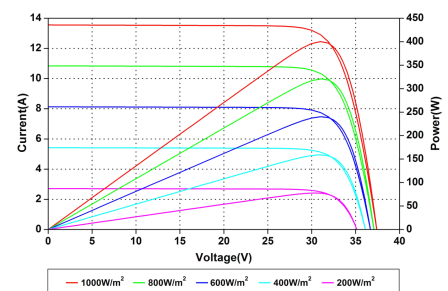
PACKAGING

Standard packaging	66pcs/pallet
Module quantity per 20' container	264pcs
Module quantity per 40' container	1122pcs (HQ)

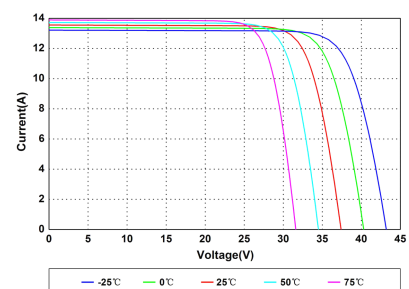
ENGINEERING DRAWINGS



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.