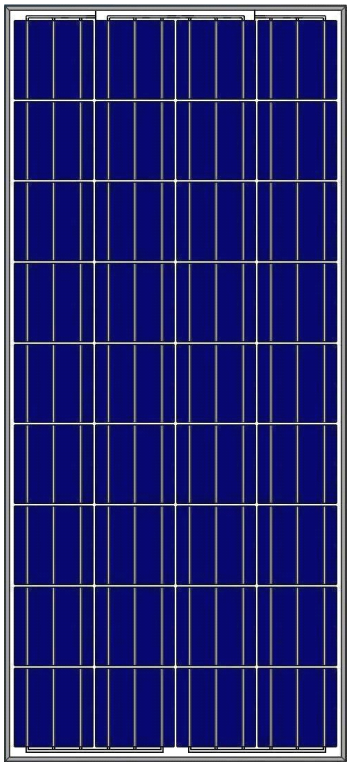
YINGHUA SOLAR

AS-6P18

POLYCRYSTALLINE MODULE



Passionately committed to delivering innovative energy solution

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

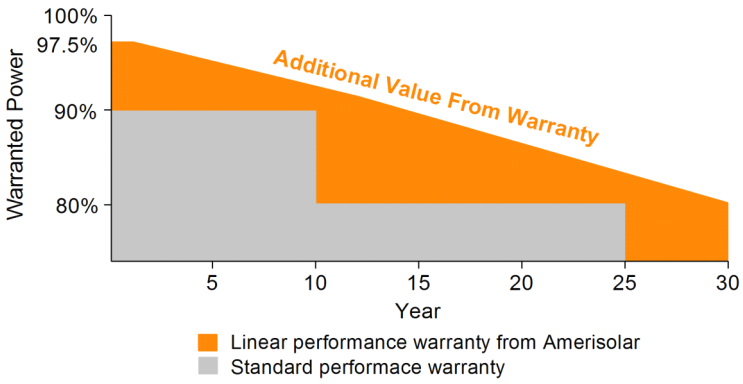
- High module conversion efficiency up to 16.73% through advanced manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 ~ +5 W.
- High ammonia and salt mist resistance.
- Potential induced degradation (PID) resistance.

CERTIFICATIONS

- IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, ETL(USA), JET(Japan), J-PEC(Japan), MCS(UK), CEC(Australia), FSEC(FL-USA), CSI Eligible(CA-USA), Israel Electric(Israel), Kemco(South Korea), InMetro(Brazil), TSE(Turkey)
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

SPECIAL WARRANTY

- 10 years limited product warranty.
- Limited linear power warranty: 10 years 91.2% of the nominal power output, 25 years 80.6% of the nominal power output.



ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (P_{max})	135W	140W	145W	150W	155W	160W	165W
Open Circuit Voltage (V_{OC})	21.8V	22.0V	22.2V	22.4V	22.6V	22.8V	23.0V
Short Circuit Current (I_{SC})	8.24A	8.39A	8.55A	8.70A	8.85A	9.00A	9.15A
Voltage at Nominal Power (V_{mp})	17.6V	17.8V	18.0V	18.2V	18.4V	18.6V	18.8V
Current at Nominal Power (I_{mp})	7.68A	7.88A	8.06A	8.25A	8.43A	8.61A	8.78A
Module Efficiency (%)	13.69	14.20	14.70	15.21	15.72	16.22	16.73
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC						
Fire Resistance Rating	Type 1(UL1703)/Class C(IEC61730)						
Maximum Series Fuse Rating	15A						

STC: Irradiance 1000W/m^2, Cell temperature 25°C, AM1.5

ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (P_{max})	100W	103W	107W	110W	114W	118W	121W
Open Circuit Voltage (V_{OC})	20.1V	20.2V	20.4V	20.6V	20.8V	21.0V	21.2V
Short Circuit Current (I_{SC})	6.67A	6.80A	6.93A	7.05A	7.17A	7.29A	7.41A
Voltage at Nominal Power (V_{mp})	16.0V	16.2V	16.4V	16.6V	16.8V	17.0V	17.1V
Current at Nominal Power (I_{mp})	6.25A	6.36A	6.53A	6.63A	6.79A	6.95A	7.08A

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

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 156x156mm (6x6inches)
Number of cells	36 (4x9)
Module dimensions	1470x670x35mm (58.39x26.18x1.38inches)
Weight	12kg (26.5lbs)
Front cover	3.2mm (0.13inches) low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP65, 2 diodes
Cable	4mm^2 (0.006inches^2), 900mm (35.43inches)
Connector	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

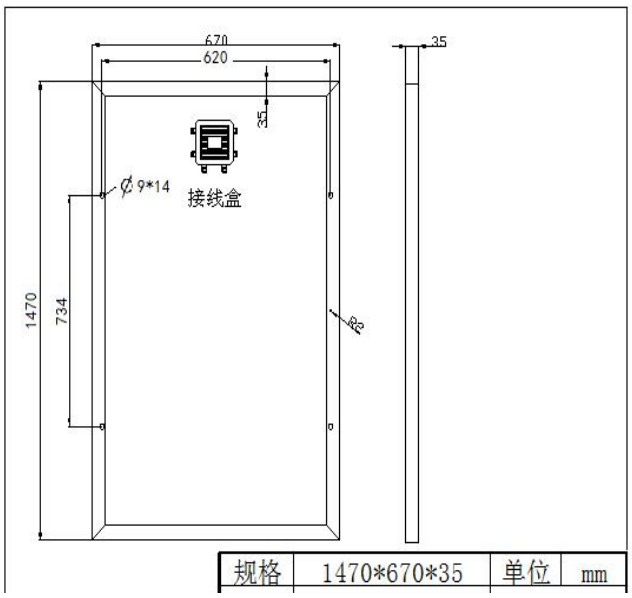
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.43%/°C
Temperature Coefficients of V_{OC}	-0.33%/°C
Temperature Coefficients of I_{SC}	0.056%/°C

PACKAGING

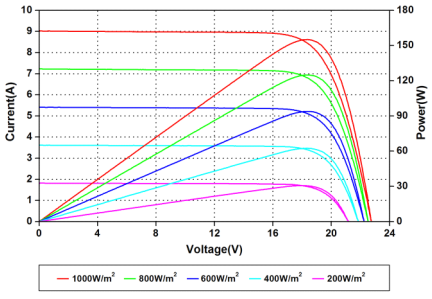
Standard packaging	29pcs/pallet
Module quantity per 20' container	504 pcs
Module quantity per 40' container	1080 pcs

ENGINEERING DRAWINGS

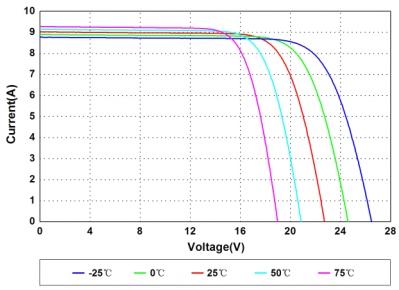
Unit: mm



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.