



Worldwide Energy and Manufacturing USA Co., Limited

AS-6P30

Amerisolar's photovoltaic modules are designed for large electrical power requirements. With a 30-year warranty, AS-6P30 offers higher-powered, more reliable performance for both on-grid and off-grid solar projects.

Key Features

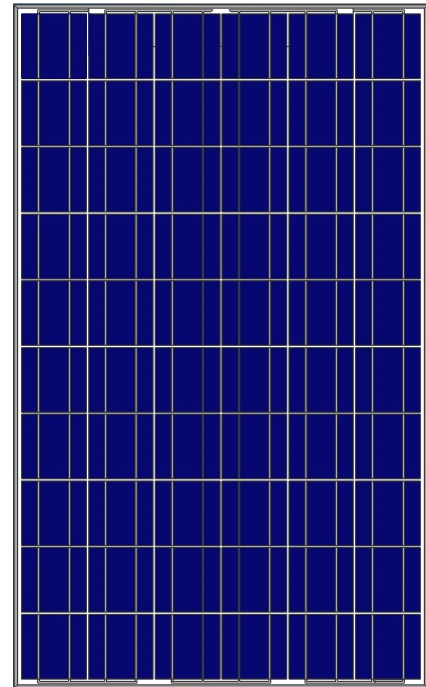
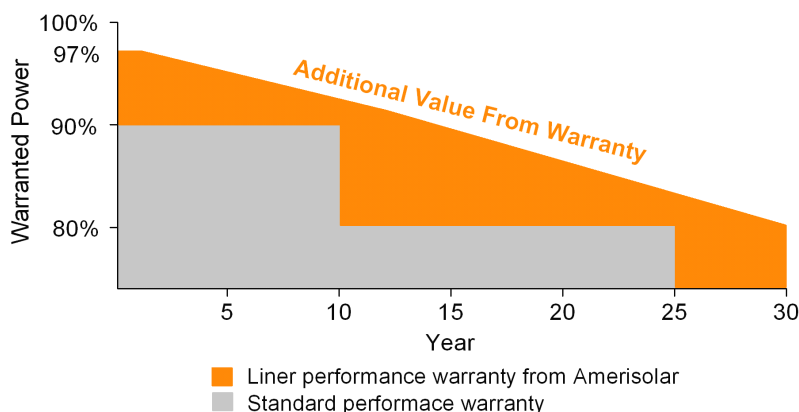
- High module conversion efficiency up to 14.53% through superior manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 ~ +3 %.
- High ammonia and salt mist resistance.

Quality Certificates

- IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, MCS, CEC, Israel Electric, Kemco
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

Special Warranties

- 12 year limited product warranty.
- Limited power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.



Passionately committed to delivering innovative energy solution

Electrical Characteristics

Electrical parameters at STC				
Nominal Power (P_{max})	225W	230W	235W	240W
Open Circuit Voltage (V_{OC})	37.1V	37.2V	37.3V	37.5V
Short Circuit Current (I_{SC})	8.22A	8.31A	8.40A	8.48A
Voltage at Nominal Power (V_{mp})	29.1V	29.3V	29.5V	29.7V
Current at Nominal Power (I_{mp})	7.74A	7.85A	7.97A	8.08A
Module Efficiency (%)	13.62	13.92	14.23	14.53

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

Electrical parameters at NOCT				
Nominal Power (P_{max})	164W	168W	172W	175W
Open Circuit Voltage (V_{OC})	34.1V	34.2V	34.3V	34.5V
Short Circuit Current (I_{SC})	6.66A	6.73A	6.80A	6.87A
Voltage at Nominal Power (V_{mp})	26.6V	26.7V	26.8V	27.0V
Current at Nominal Power (I_{mp})	6.17A	6.30A	6.42A	6.49A

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

Mechanical Characteristics

Cell type	Polycrystalline 156x156mm(6x6inches)
Number of cells	60 (6x10)
Module dimension	1652x1000x50mm(65.04x39.37x1.97inches)
Weight	22kg(48.5lbs)
Front cover	3.2mm(0.13inches) low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 6 diodes
Cable	4mm ² (0.006inches ²), 900mm(35.43inches)
Connector	MC4 or MC4 compatible
Standard packaging	20pcs/pallet
Module quantity per container	520pcs/40'HQ

Temperature Characteristics

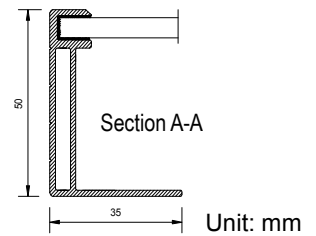
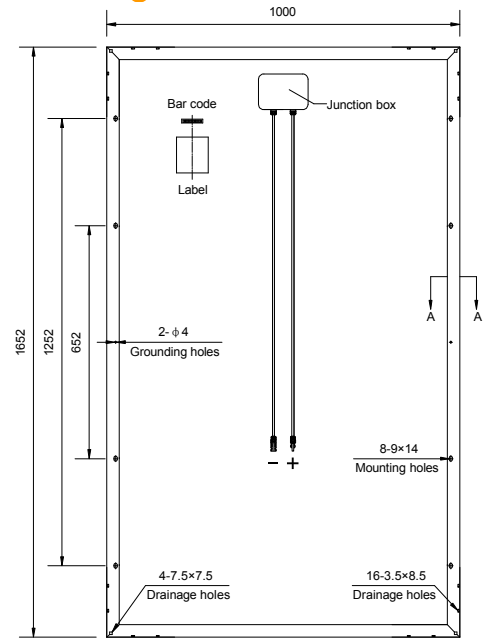
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.43%/°C
Temperature Coefficients of V_{OC}	-0.33%/°C
Temperature Coefficients of I_{SC}	0.056%/°C

Maximum Ratings

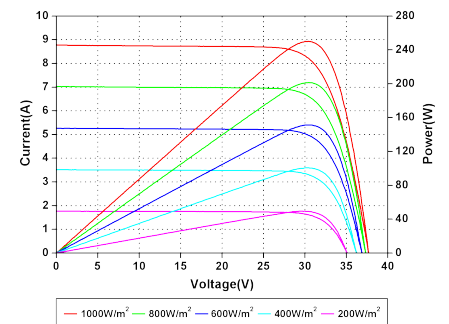
Operating Temperature	-40°C to +85°C
Maximum System Voltage	600V DC
Maximum Series Fuse Rating	15A

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

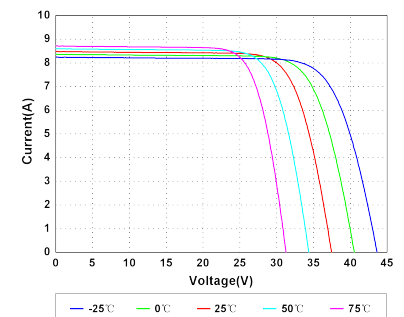
Drawings



I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Worldwide Energy and Manufacturing USA Co., Limited

Tel: +1-650-777-7606

Email: sales@weamerisolar.com

www.weamerisolar.com

EN-V1.0 Copyright © 2013 Worldwide Energy and Manufacturing USA Co., Limited.