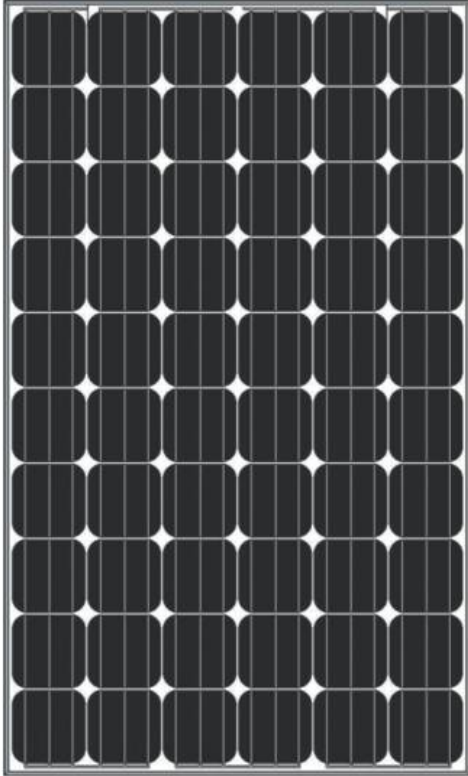


AS-6M 250-270W SOLAR MODULE



%16,60
PANEL EFFICIENCY

12 YEARS
PRODUCT WARRANTY



MADE IN TURKEY

Capital Of Solar Energy

AnkaraSolar's photovoltaic modules are designed for large electrical power requirements. With a 30-year warranty, AS-6M 250-270W offers higher-powered, more reliable performance for both on-grid and off-grid solar projects.

KEY FEATURES

- High module conversion efficiency up to 16.60% 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.
- Tested to the industry's most rigorous durability standards, AnkaraSolar panels are PID-resistant in conformance with IEC 62804.

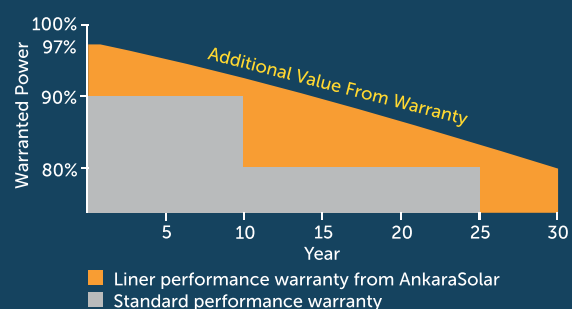
QUALITY CERTIFICATES

- IEC61215, IEC61730, CE
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

SPECIAL WARRANTIES

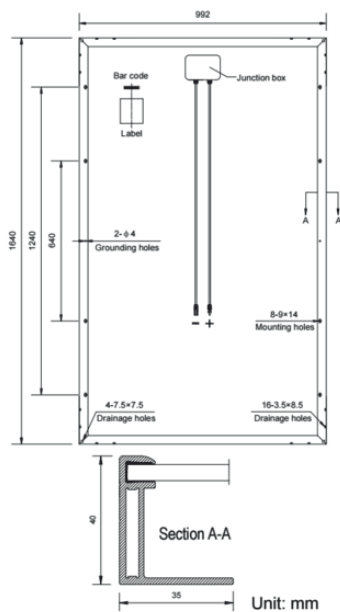
- 12 year limited product warranty.
- Limited power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.

30 YEARS LINEAR WARRANTY



AS-6M 250W-270W SOLAR MODULE

Drawings



Electrical Characteristics

Electrical parameters at STC

Nominal Power (P _{max})	250W	255W	260W	265W	270W
Open Circuit Voltage (VOC)	37.3V	37.4V	37.5V	37.6V	37.7V
Short Circuit Current (Isc)	8.72A	8.82A	8.91A	9.01A	9.12A
Voltage at Nominal Power (Vmp)	30.5V	30.6V	30.7V	30.8V	30.9V
Current at Nominal Power (Imp)	8.20A	8.34A	8.48A	8.61A	8.74A
Module Efficiency (%)	15.37	15.67	15.98	16.29	16.60

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

Electrical parameters at NOCT

Nominal Power (P _{max})	182W	186W	190W	194W	197W
Open Circuit Voltage (Voc)	34.3V	34.4V	34.5V	34.6V	34.7V
Short Circuit Current (Isc)	7.06A	7.14A	7.22A	7.30A	7.39A
Voltage at Nominal Power (Vmp)	27.8V	27.8V	27.9V	28.0V	28.1V
Current at Nominal Power (Imp)	6.59A	6.70A	6.82A	6.93A	8.01A

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

I-V Curves

Mechanical Characteristics

Cell type	Monocrystalline 156x156mm
Number of cells	60 (6x10)
Module dimension	1640x992x40mm
Weight	18.5kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	Ip67, 6 diodes
Cable	4mm ² , 900mm
Connector	Mc4 or MC4 compatible
Standard packaging	26pcs/pallet
Module quantity per container	728pcs/40'HQ

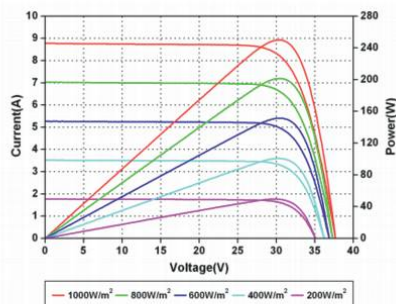
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P _{max}	-0.43%/°C
Temperature Coefficients of Voc	-0.33%/°C
Temperature Coefficients of Isc	0.056%/°C

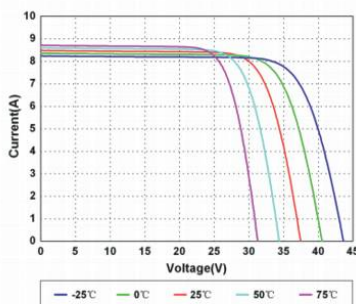
Temperature Characteristics

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	15A

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



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

