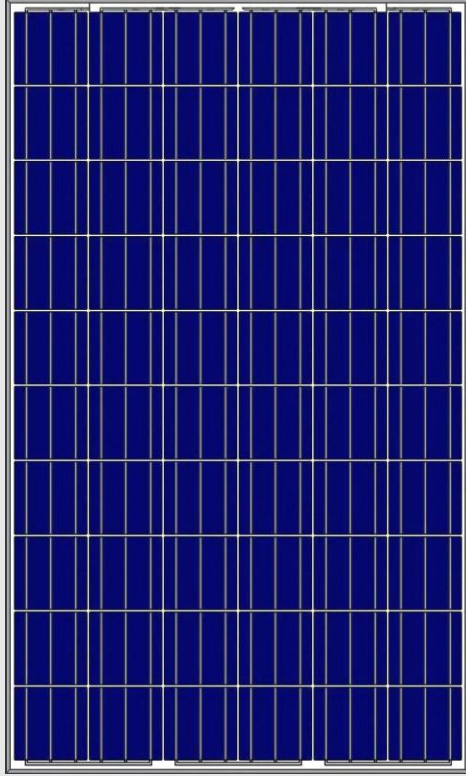


AS-6P 235W-265W SOLAR MODULE



Capital Of Solar Energy

AnkaraSolar's photovoltaic modules are designed for large electrical power requirements. With a 30-year warranty, AS-6P 235W-265W offers higher-powered, more reliable performance for both on-grid and off-grid solar projects.

KEY FEATURES

- High module conversion efficiency up to 16.29% 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.

%16,29

PANEL EFFICIENCY

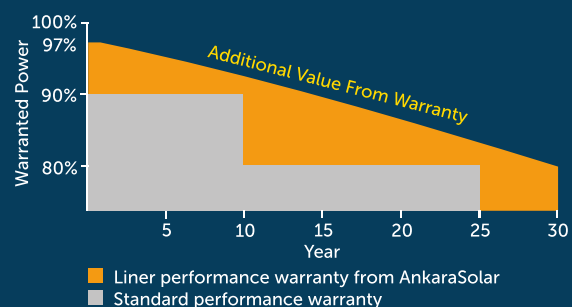
12 YEARS

PRODUCT WARRANTY



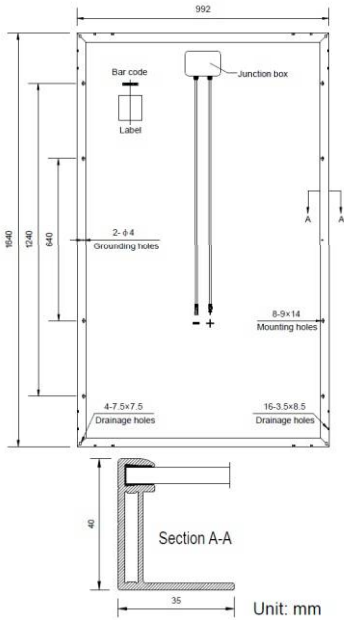
MADE IN TURKEY

30 YEARS LINEAR WARRANTY



AS-6P 235W-265W SOLAR MODULE

Drawings



Electrical Characteristics

Electrical parameters at STC

Parameter	235W	240W	245W	250W	255W	260W	265W
Nominal Power (P _{max})	235W	240W	245W	250W	255W	260W	265W
Open Circuit Voltage (V _{OC})	37.5V	37.7V	37.9V	38.0V	38.1V	38.2V	38.3V
Short Circuit Current (I _{sc})	8.48A	8.57A	8.66A	8.75A	8.83A	8.90A	8.98A
Voltage at Nominal Power (V _{mp})	29.7V	30.1V	30.3V	30.5V	30.7V	30.9V	31.1V
Current at Nominal Power (I _{mp})	7.92A	8.03A	8.14A	8.26A	8.37A	8.47A	8.58A
Module Efficiency (%)	14.44	14.75	15.06	15.37	15.67	15.98	16.29

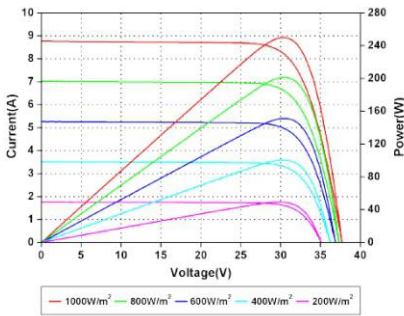
STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

Electrical parameters at NOCT

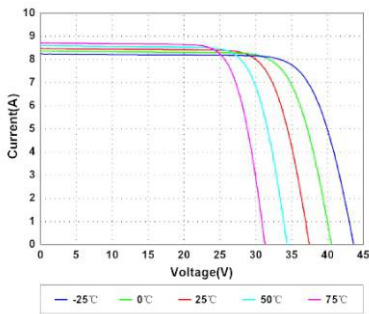
Parameter	172W	175W	179W	183W	186W	190W	194W
Nominal Power (P _{max})	172W	175W	179W	183W	186W	190W	194W
Open Circuit Voltage (V _{oc})	34.5V	34.7V	34.9V	35.0V	35.1V	35.2V	35.3V
Short Circuit Current (I _{sc})	6.87A	6.94A	7.01A	7.09A	7.15A	7.21A	7.27A
Voltage at Nominal Power (V _{mp})	27.0V	27.2V	27.4V	27.6V	27.8V	27.9V	28.1V
Current at Nominal Power (I _{mp})	6.38A	6.44A	6.54A	6.64A	6.70A	6.81A	6.91A

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

I-V Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Mechanical Characteristics

Cell type	Polycrystalline 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 V _{oc}	-0.33%/°C
Temperature Coefficients of I _{sc}	0.056%/°C

Temperature Characteristics

Operating Temperature	-45°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.

