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Solar Panel Guide Specification Data Sheet

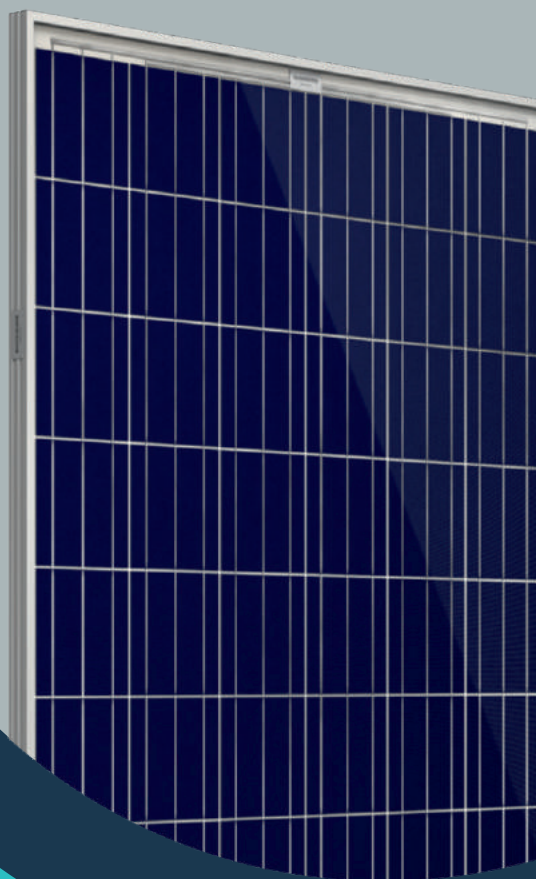
**Ankara Solar
AS-P60 260W-290W
AS-P60 260W**

Also available on the web at
EnergyPal.com/ankara-solar-solar-panels/as-p60-260w



ANKARA[®] SOLAR

CAPITAL OF SOLAR ENERGY



AS-P60

260 - 290 W



IEC 61215 - IEC 61730 - IEC 61701 - IEC 62716 - ISO9001:2008 - ISO14001:2004 - OHSAS18001:2007

%17.83

Module Efficiency

30 YEARS

Linear Power Warranty

12 YEARS

Product Warranty

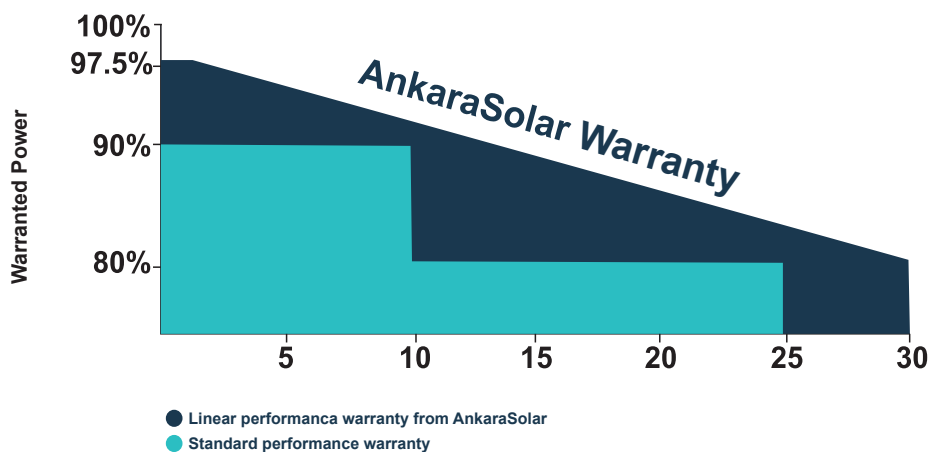
12 12 YEARS PRODUCT WARRANTY
12 years 91.2% of the nominal power output.

30 30 YEARS LINEAR POWER WARRANTY
30 years 80.6% of the nominal power output.

+5 POSITIVE POWER TOLERANCE
Positive power tolerance of 0~+5W

PID FREE
IEC 62804 Potential induced degradation (PID) resistance.

5400 pa
Withstand wind loads up to 2400Pa
Withstand snow loads up to 5400Pa



Made in Turkey



AS-P60 260W-290 W

ELECTRICAL CHARACTERISTICS AT (STC)

Nominal Power (Pmax)	260W	265W	270W	275W	280W	285W	290W
Open Circuit Voltage (Voc)	38.2V	38.3V	38.4V	38.5V	38.8V	39.0V	39.2V
Short Circuit Current (Isc)	8.90A	8.98A	9.06A	9.15A	9.37A	9.48A	9.59A
Voltage at Nominal Power (Vmp)	30.7V	30.9V	31.1V	31.3V	31.6V	31.8V	32.0V
Current at Nominal Power (Imp)	8.47A	8.58A	8.69A	8.79A	8.87A	8.97A	9.07A
Module Efficiency (%)	15.98	16.29	16.60	16.90	17.21	17.52	17.83
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC						
Maximum Series Fuse Rating	15A						

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

ELECTRICAL CHARACTERISTICS AT (NOCT)

Nominal Power (Pmax)	191W	195W	199W	202W	207W	211W	215W
Open Circuit Voltage (Voc)	35.2V	35.3V	35.4V	35.5V	35.7V	35.9V	36.1V
Short Circuit Current (Isc)	7.21A	7.27A	7.34A	7.41A	7.59A	7.68A	7.77A
Voltage at Nominal Power (Vmp)	27.9V	28.1V	28.3V	28.5V	28.8V	29.0V	29.2V
Current at Nominal Power (Imp)	6.85A	6.94A	7.04A	7.09A	7.19A	7.28A	7.37A

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

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 156x156mm veya 156.75x156.75mm
Number of cells	60 (6x10)
Module dimensions	1640x992x40mm
Weight	18.5kg
Front cover	3.2mm Tempered Glass EN12150
Frame	Anodized Aluminum Alloy
Junction box	Ip65, 3 diodes
Cable	4mm ² 900-1000mm
Connector	Mc4 or MC4 compatible - IP67
Cell Encapsulation	EVA (Ethylene - Vinyl - Acetate)

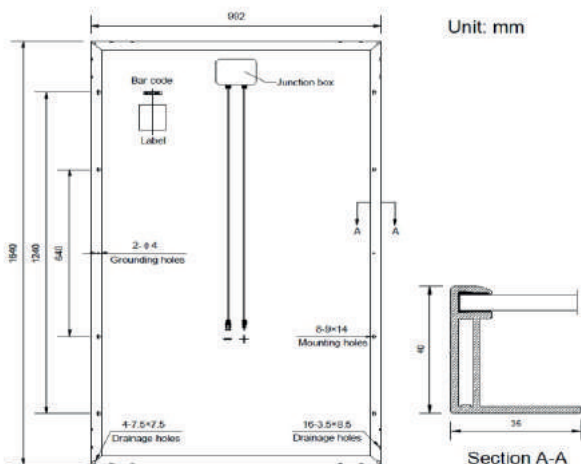
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficients of Pmax	-0.41%/°C
Temperature Coefficients of Voc	-0.31%/°C
Temperature Coefficients of Isc	0.05%/°C

PACKAGING

Standard packaging	27 pcs/pallet
Module quantity per 20' container	312 pcs
Module quantity per 40' container	756 pcs

ENGINEERING DRAWINGS IV



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IV CURVES

