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Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes



POLYCRYSTALLINE 250-270Wp

ARGOS

The robust all-rounder

The top quality PID free certified polycrystalline solar module from AVENTIA now up to 270Wp. Extremely sturdy torsion and corrosion resistant aluminum frame AR coated front glass in combination with excellent performance & positive power tolerance.

4BB

Module Efficiency

16.50%

Positive Power Tolerance

0/+5W

Linear Power Output Warranty

25 Years

Product Quality Warranty

15 Years

Snow Load Parameters

5400 Pa

Wind Load Parameters

2400 Pa

Rated Junction Box

IP 67

For Maximum Performance

PID FREE

AVENTIA
PV SOLUTIONS

Electrical Characteristics

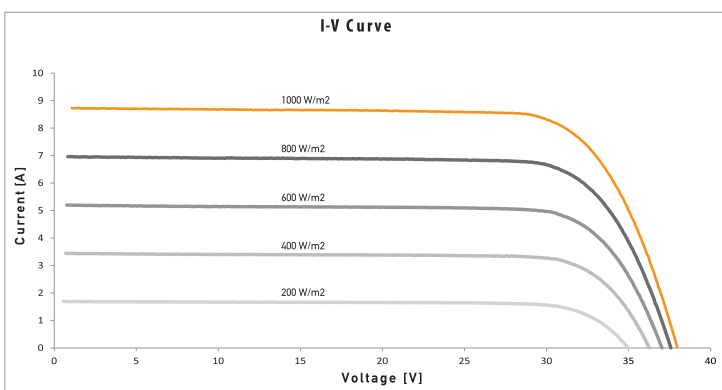
MODULE TYPE	AVN250EP-60	AVN255EP-60	AVN260EP-60	AVN265EP-60	AVN270EP-60
Open-Circuit Voltage (Voc)	38.00 V	38.30 V	38.40 V	38.50 V	38.40 V
Optimum Operating Voltage (Vmp)	30.80 V	31.20 V	31.40 V	31.50 V	31.60 V
Short-Circuit Current (Isc)	8.62 A	8.74 A	8.90 A	8.97 A	9.11 A
Optimum Operating Current (Imp)	8.14 A	8.23 A	8.36 A	8.43 A	8.76 A
Maximum Power at STC (Pmax)	250 W	255 W	260 W	265 W	270 W
Module Efficiency	15.27 %	15.58 %	15.88 %	16.19 %	16.50 %
Maximum Series Fuse Rating	15 A				
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000 VDC				
Power Tolerance	0 to +5 W				

STC : Irradiance 1000 W/m². Module temperature 25 °C. AM=1.5

MECHANICAL CHARACTERISTICS

Type	Polycrystalline cell 156 x 156 mm
Cells Arrangement	6 x10 (60 pcs)
Module Dimensions	1650 x 992 x 40 mm
Weight	18.7 kg
Front Side	AR coated 3.2 mm Low Iron Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated, 3 by-pass diodes
Standard Packaging	26 pcs. 510 kg per pallet
Module pieces per container	728 pcs in 40 ft HC - 28 pallets

AVN250EP-60 ELECTRICAL PERFORMANCE



Design and specifications are subject to change.

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	20°C ± 2°
Temperature Coefficient (Pmax)	-0.41 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.05 % / °C

ENGINEERING DRAWING

