

ARGOS

The robust all-rounder

POLYCRYSTALLINE

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.



Module Efficiency	Positive Power Tolerance	Linear Power Output Warranty	Product Quality Warranty
16.50%	0/+5W	25 Years	12 Years

Snow Load Parameters	Wind Load Parameters	Rated Junction Box	For Maximum Performance
5400 Pa	2400 Pa	IP 67	PID FREE

Electrical Characteristics

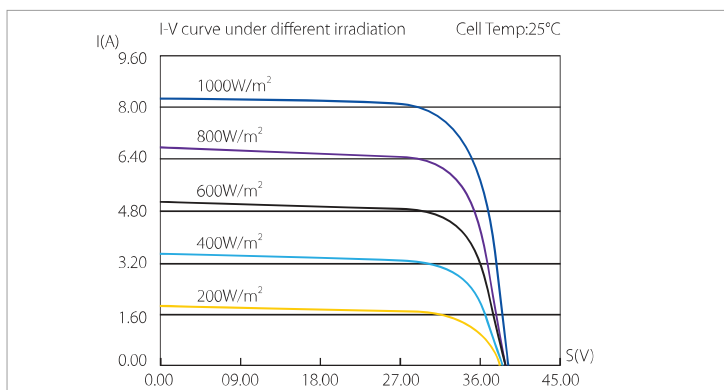
MODULE TYPE	AVN270P-60
Open-Circuit Voltage (Voc)	38.17 V
Optimum Operating Voltage (Vmp)	31.10 V
Short-Circuit Current (Isc)	9.09 A
Optimum Operating Current (Imp)	8.68 A
Maximum Power at STC (Pmax)	270 W
Module Efficiency	16.50 %
Maximum Series Fuse Rating	16 A
Operating Temperature	-40°C to +80°C
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	1640 x 992 x 40 mm
Weight	20.0 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	25 pcs. 530 kg per pallet
Module pieces per container	700 pcs in 40 ft HC - 28 pallets

ELECTRICAL PERFORMANCE

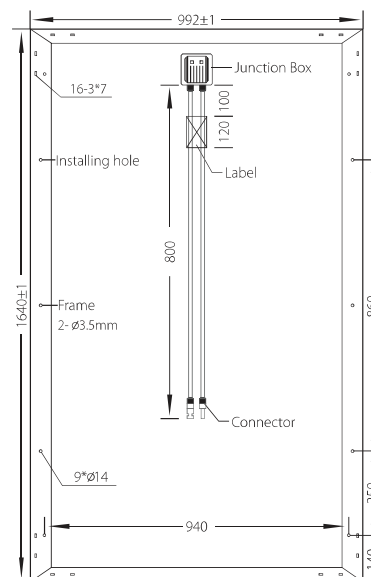


Design and specifications are subject to change.

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficient (Pmax)	-0.40 % / °C
Temperature Coefficient (Voc)	-0.31 % / °C
Temperature Coefficient (Isc)	0.04 % / °C

ENGINEERING DRAWING



info@aventiasolar.com | www.aventiasolar.com

Aventia Solar B.V.
Overschiestraat 184 1062 XK
Amsterdam, The Netherlands
Phone: + 31 20 80 86 197

Aventia Solar LTD
12 Monomatiou str.
136 77 Acharnes, Attica, Greece
Phone: + 30 211 01 25081