For a Free Quote:
Web: **EnergyPal.com/solar**
Call: **1-800-990-3725**
Email: **contact@energypal.com**

Solar Panel Guide
Specification Data Sheet

Aventia Solar
Certus Silver 250-265
AVN255CSM-60

Also available on the web at
EnergyPal.com/aventia-solar-solar-panels/avn255csm-60

MONOCRYSTALLINE 190 - 315 Wp

CERTUS SILVER

Reliably simple

The Certus Silver is a robust solar module that likes to keep everything simple. As all AVENTIA mono and poly solar modules the Certus Silver comes with grade A cells AR coated front glass and torsion and corrosion resistant aluminum frame combined with excellent performance & positive power tolerance. This module is ideal for residential and commercial projects with focus on performance and cost.

Module Efficiency **16.20%**	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	AVN250CSM-60	AVN255CSM-60	AVN260CSM-60	AVN265CSM-60
Open-Circuit Voltage (Voc)	37.40 V	37.90 V	38.40 V	38.50 V
Optimum Operating Voltage (Vmp)	30.50 V	30.80 V	31.10 V	31.30 V
Short-Circuit Current (Isc)	8.73 A	8.77 A	8.83 A	8.85 A
Optimum Operating Current (Imp)	8.25 A	8.34 A	8.44 A	8.48 A
Maximum Power at STC (Pmax)	250 W	255 W	260 W	265 W
Module Efficiency	15.27 %	15.58 %	15.88 %	16.20 %
Maximum Series Fuse Rating	13 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

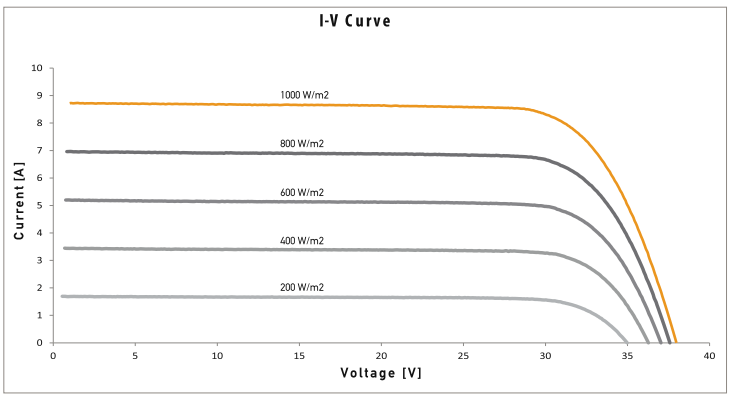
MECHANICAL CHARACTERISTICS

Type	Monocrystalline 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

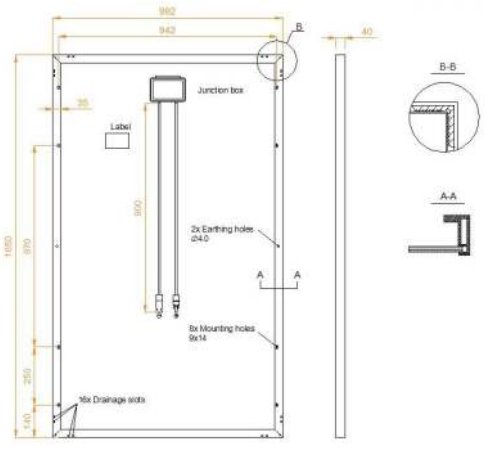
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	50 °C ± 2°
Temperature Coefficient (Pmax)	-0.47 % / °C
Temperature Coefficient (Voc)	-0.33 % / °C
Temperature Coefficient (Isc)	0.04 % / °C

AVN250CSM-60 ELECTRICAL PERFORMANCE



ENGINEERING DRAWING



Design and specifications are subject to change.

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