

# CERTUS

## Black and beautiful

The Certus is the monocrystalline solar module that enjoyed an overwhelming success due to its aesthetic features but also its wide power range as it is available from 190 up to 315Wp in 54, 60 & 72 cells. The perfect solar module for residential installations in which the perfect balance between performance cost and aesthetics is a must.

Module Efficiency	Positive Power Tolerance	Linear Power Output Warranty	Product Quality warranty
<b>16.20%</b>	<b>0/+5W</b>	<b>25 Years</b>	<b>15 Years</b>

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

# Electrical Characteristics

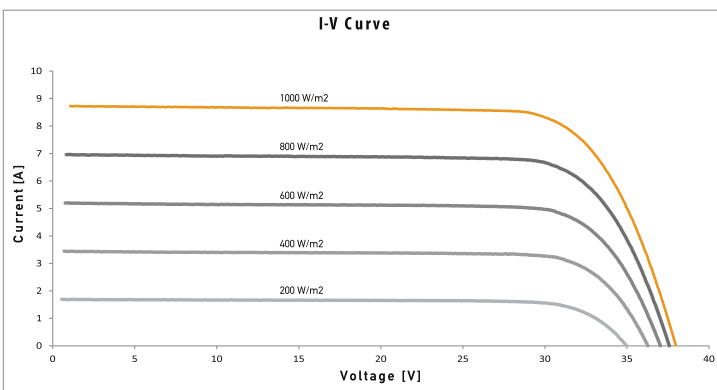
MODULE TYPE	AVN250CBM-60	AVN255CBM-60	AVN260CBM-60	AVN265CBM-60
Open-Circuit Voltage (Voc)	37.40 V	37.90 V	38.40 V	38.50 V
Optimum Operating Voltage (Vmp)	30.50 V	30.80 V	31.10 V	31.30 V
Short-Circuit Current (Isc)	8.73 A	8.77 A	8.83 A	8.85 A
Optimum Operating Current (Imp)	8.25 A	8.34 A	8.44 A	8.48 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/m<sup>2</sup>. 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

## AVNCBM250-60 ELECTRICAL PERFORMANCE

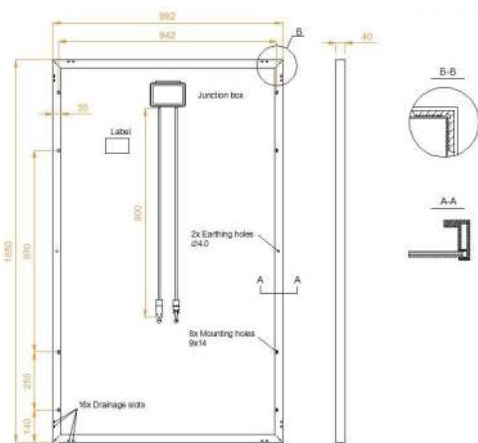


Design and specifications are subject to change.

## 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

## ENGINEERING DRAWING



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