

# AVENTIA

— at the heart of solar —

## CERTUS Silver Line

### MONOCRYSTALLINE 250 - 270Wp



- PREMIUM QUALITY. MADE IN EUROPE
- AVAILABLE FROM 145 - 315Wp IN 36 - 72 CELLS IN STANDARD OR FULL BLACK
- TORSION AND CORROSION RESISTANT ANODIZED ALUMINUM FRAME

16.50 %

MODULE  
EFFICIENCY

0/+5 W

POSITIVE POWER  
TOLERANCE

25 YEARS

LINEAR POWER  
OUTPUT WARRANTY

15 YEARS

PRODUCT QUALITY  
WARRANTY

5400 Pa

SNOW LOAD  
PARAMETERS

2400 Pa

WIND LOAD  
PARAMETERS

IP 67

RATED JUNCTION  
BOX

PID FREE

FOR MAXIMUM  
PERFORMANCE

# ELECTRICAL CHARACTERISTICS

MODULE TYPE	AVN 250EM	AVN 255EM	AVN 260EM	AVN 265EM	AVN 270EM
Open-Circuit Voltage (Voc)	37.40 V	37.90 V	38.40 V	38.50 V	38.50 V
Optimum Operating Voltage (Vmp)	30.50 V	30.80 V	31.10 V	31.30 V	31.60 V
Short-Circuit Current (Isc)	8.73 A	8.77 A	8.83 A	8.85 A	8.91 A
Optimum Operating Current (Imp)	8.25 A	8.34 A	8.44 A	8.48 A	8.57 A
Maximum Power at STC (Pmax)	250 W	255 W	260 W	265 W	270 W
Module Efficiency	15.27 %	15.58%	15.88 %	16.20 %	16.50 %
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

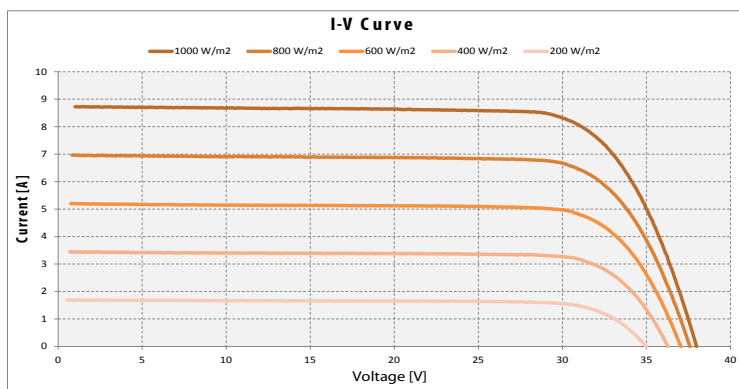
Frame Anodized Aluminum Alloy

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

## AVN250EM-60 ELECTRICAL PERFORMANCE



Performance at low irradiance of 200 W/m<sup>2</sup> in relation to 1000 W/m<sup>2</sup>, (25°C, AM=1.5) is at least 96.5% of STC efficiency

## TEMPERATURE CHARACTERISTICS

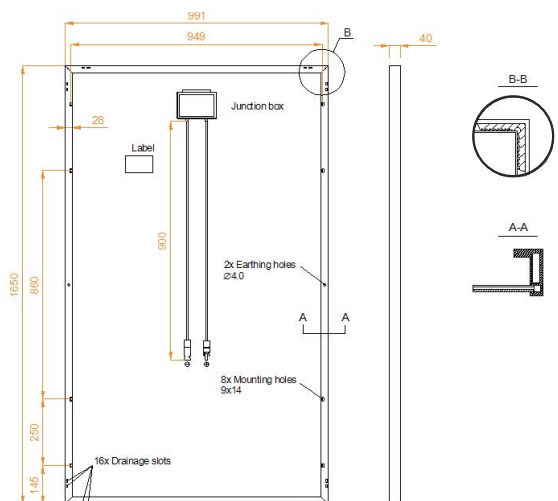
Nominal Operating Cell Temperature (NOCT) 50 °C ± 2°

Temperature Coefficient (Pmax) -0.47 % / °C

Temperature Coefficient (Voc) -0.33 % / °C

Temperature Coefficient (Isc) 0.04 % / °C

## ENGINEERING DRAWING



UPDATE SEPTEMBER 2014. Specifications described in this datasheet are subject to change. Our partners will be notified for any change in datasheet data.