

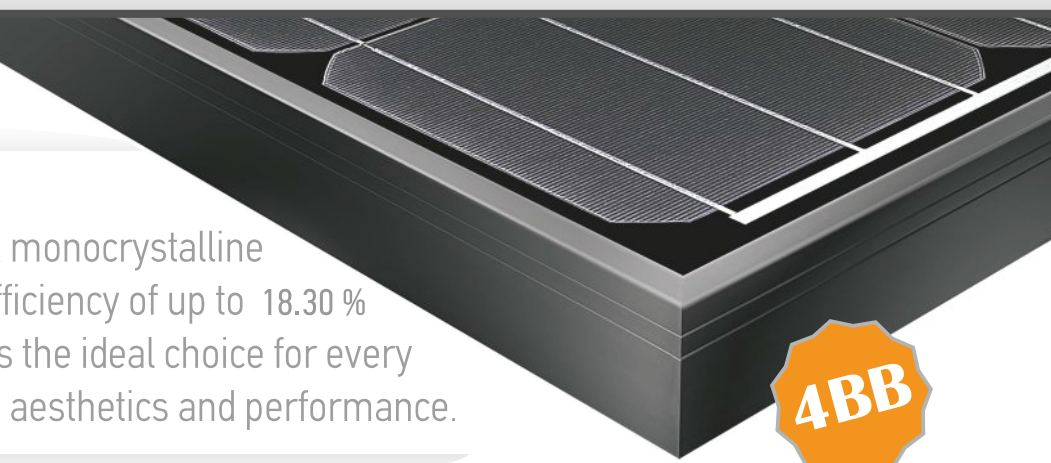


MONOCRYSTALLINE

# CERTUS MAX

**Powerfully elegant**

The new high performance AVENTIA Certus Max full black monocrystalline solar module with a leading efficiency of up to 18.30 % and positive power tolerance is the ideal choice for every residential project focusing on aesthetics and performance.



**4BB**

Module Efficiency	Positive Power Tolerance	Linear Power Output Warranty	Product Quality Warranty
<b>18.30%</b>	<b>0/+5W</b>	<b>25 Years</b>	<b>12 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

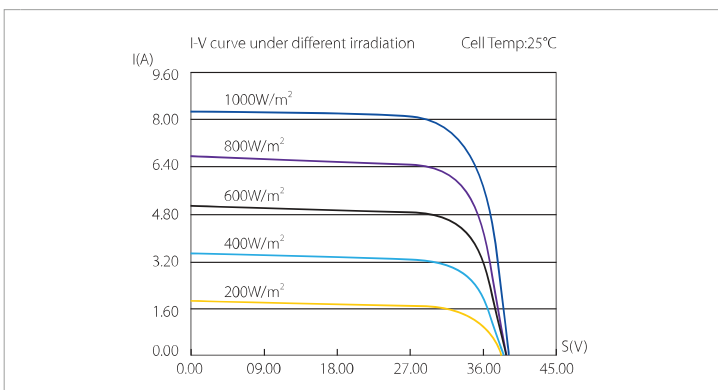
MODULE TYPE	AVN300MB-60
Open-Circuit Voltage (Voc)	41.00 V
Optimum Operating Voltage (Vmp)	33.90 V
Short-Circuit Current (Isc)	9.83 A
Optimum Operating Current (Imp)	8.86 A
Maximum Power at STC (Pmax)	300 W
Module Efficiency	18.30 %
Maximum Series Fuse Rating	16 A
Operating Temperature	-0.40° C to + 80° C
Maximum System Voltage	1000 VDC
Power Tolerance	0 to + 5W

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	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

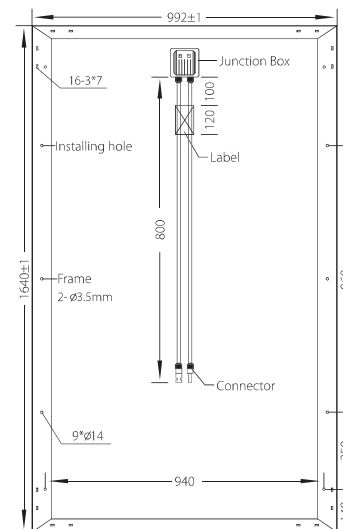


Design and specifications are subject to change.

## 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



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