



MONOCRYSTALLINE 270 - 285 Wp

CERTUS MAX

Powerfully elegant

The new high performance AVENTIA Certus Max full black monocrystalline solar module with a leading efficiency of up to 17.52% and positive power tolerance is the ideal choice for every residential project focusing on aesthetics and performance.

| | | | |
|-------------------|--------------------------|------------------------------|--------------------------|
| Module Efficiency | Positive Power Tolerance | Linear Power Output Warranty | Product Quality warranty |
| 17.52% | 0/+5W | 25 Years | 15 Years |

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

Electrical Characteristics

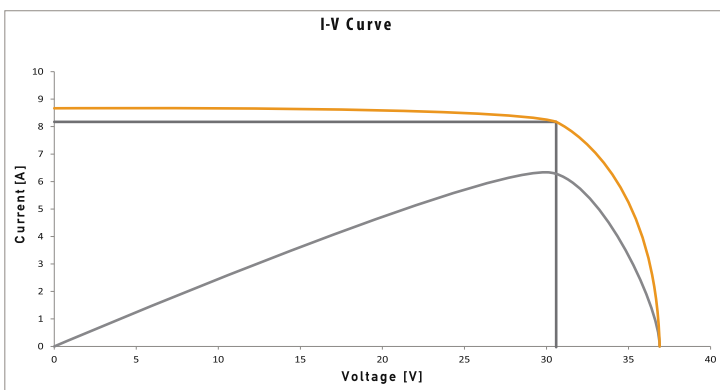
| MODULE TYPE | AVN270MMB-60 | AVN275MMB-60 | AVN280MMB-60 | AVN 285MMB-60 |
|---------------------------------|-----------------|--------------|--------------|---------------|
| Open-Circuit Voltage (Voc) | 38,10 V | 38,40 V | 38,40 V | 38,50 V |
| Optimum Operating Voltage (Vmp) | 32,40 V | 32,58 V | 32,64 V | 32,70 V |
| Short-Circuit Current (Isc) | 9,00 A | 9,18 A | 9,21 A | 9,25 A |
| Optimum Operating Current (Imp) | 8,50 A | 8,68 A | 8,71 A | 8,75 A |
| Maximum Power at STC (Pmax) | 270 W | 275 W | 280 W | 285 W |
| Module Efficiency | 16.60 % | 16.90 % | 17.21 % | 17.52 % |
| Maximum Series Fuse Rating | 15 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 | 1640 x 991 x 40 mm |
| Weight | 19 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. 510 kg per pallet |
| Module pieces per container | 728 pcs in 40 ft HC - 28 pallets |

AVN270MMB-60 ELECTRICAL PERFORMANCE

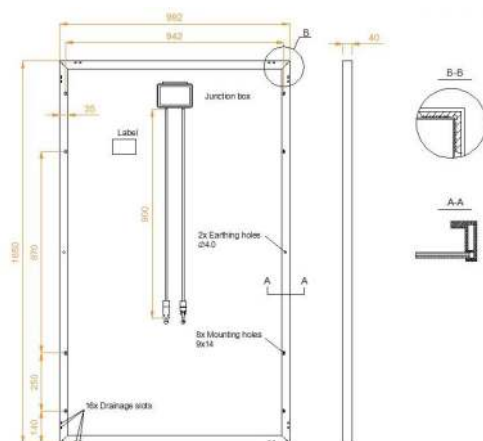


Design and specifications are subject to change.

TEMPERATURE CHARACTERISTICS

| | |
|---|--------------|
| Nominal Operating Cell Temperature (NOCT) | 50 °C ± 2° |
| Temperature Coefficient (Pmax) | -0.38 % / °C |
| Temperature Coefficient (Voc) | -0.36 % / °C |
| Temperature Coefficient (Isc) | 0.07 % / °C |

ENGINEERING DRAWING



AVENTIA
PV SOLUTIONS

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