



BenQ Group

# SunForte PM096BW0

Mono-Crystalline Photovoltaic Module



Power Range

327Wp



Highly Strengthened Design

Module complies with advanced loading tests to meet 5400 Pa loading requirements



Resistance to Salt Corrosion and Humidity

Module complies with IEC 61701: Salt Mist Corrosion Testing



Back Contact Cells

No string in the front side enhances light conversion space



PID-Resistance (up to Diamond Level)

Certified high PID resistance



Superior Performance at High Temperatures

Less power loss in hot weather conditions due to the low temperature coefficient



# SunForte PM096BW0 (327Wp)

## Electrical Data

|   |         |
|---|---------|
| Typ. Nominal Power $P_N$                | 327W    |
| Typ. Module Efficiency                  | 20.4%   |
| Typ. Nominal Voltage $V_{mp}$ (V)       | 54.7    |
| Typ. Nominal Current $I_{mp}$ (A)       | 5.98    |
| Typ. Open Circuit Voltage $V_{oc}$ (V)  | 64.9    |
| Typ. Short Circuit Current $I_{sc}$ (A) | 6.46    |
| Maximum Tolerance of $P_N$              | 0 / +5% |

• Above data are the effective measurement at Standard Test Conditions (STC)  
 • STC: irradiance 1000 W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25 ± 2 °C, in accordance with EN 60904-3

## Temperature Coefficient

|  |                |
|--|----------------|
| NOCT                                     | 45 ± 2 °C      |
| Typ. Temperature Coefficient of $P_N$    | -0.38 % / °C   |
| Typ. Temperature Coefficient of $V_{oc}$ | -176.6 mV / °C |
| Temperature Coefficient of $I_{sc}$      | 3.5 mA / °C    |

• NOCT: Normal Operation Cell Temperature, measuring conditions: irradiance 800 W/m<sup>2</sup>, AM 1.5, air temperature 20 °C, wind speed 1 m/s

## Mechanical Characteristics

|                         |   |
|-------------------------|---|
| Dimensions (L x W x H)  | 1559 x 1046 x 46 mm (61.38 x 41.18 x 1.81 in)                   |
| Weight                  | 18.6 kg (41.0 lbs)  |
| Front Glass             | High transmission tempered glass with AR-Tech, 3.2 mm (0.13 in) |
| Cell                    | 96 high efficiency back contact cells                           |
| Back Sheet              | Composite film  |
| Frame                   | Anodized aluminum frame   |
| Junction Box            | IP-65 rated with 3 bypass diodes                                |
| Connector Type & Cables | MC4 compatible  |

## Operating Conditions

|                               |   |
|-------------------------------|---|
| Operating Temperature         | -40 ~ +85 °C  |
| Ambient Temperature Range     | -40 ~ +45 °C  |
| Max. System Voltage IEC/UL    | 1000V / 600V  |
| Serial Fuse Rating            | 15A   |
| Maximum Surface Load Capacity | Tested up to 5400 Pa according to IEC 61215 (advanced test) |

## Warranties and Certifications

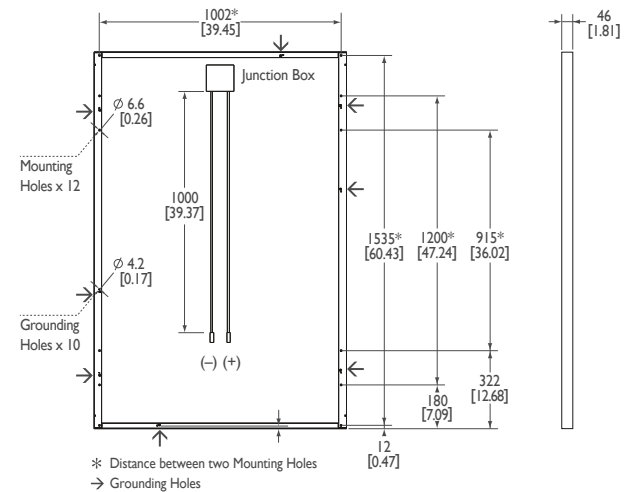
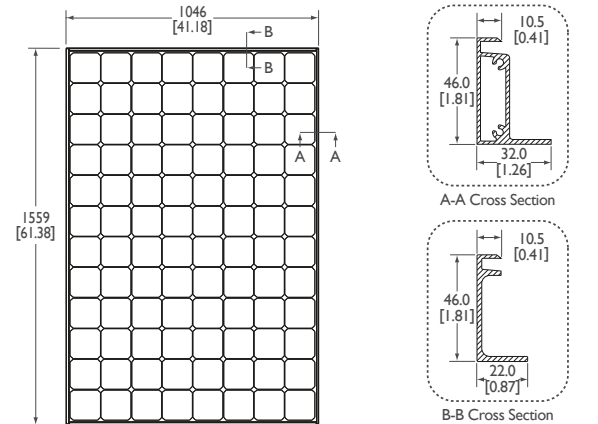
|                       |   |
|-----------------------|---|
| Product Warranty      | Maximum 25 years for material and workmanship                                   |
| Performance Guarantee | Guaranteed output of 95% for 5 years and linear degradation to 87% for 25 years |
| Certifications        | According to IEC/EN 61215, IEC/EN 61730, ICIM, JET, NREC guidelines *           |

\* Please confirm other certifications with official dealers

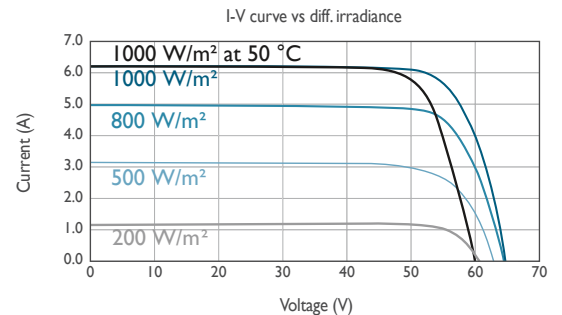
## Packing Configuration

| Container             | 20' GP | 40' GP | 40' HQ |
|-----------------------|--------|--------|--------|
| Pieces per Pallet     | 22     | 22     | 22     |
| Pallets per Container | 6      | 14     | 28     |
| Pieces per Container  | 132    | 308    | 616    |

## Dimensions mm (inch)



## I-V Curve



Current/voltage characteristics with dependence on irradiance and module temperature.



### About AU Optronics

AU Optronics (AUO) is a leading global manufacturer of TFT-LCD committed to providing green solutions to its worldwide customers in a manner that is sustainable and friendly to the environment. In addition to its strengths in product and technological innovation, AUO stresses its commitment to going green and to utilizing manufacturing excellence to develop high efficiency solar solutions for residential, commercial, and utility segments.



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