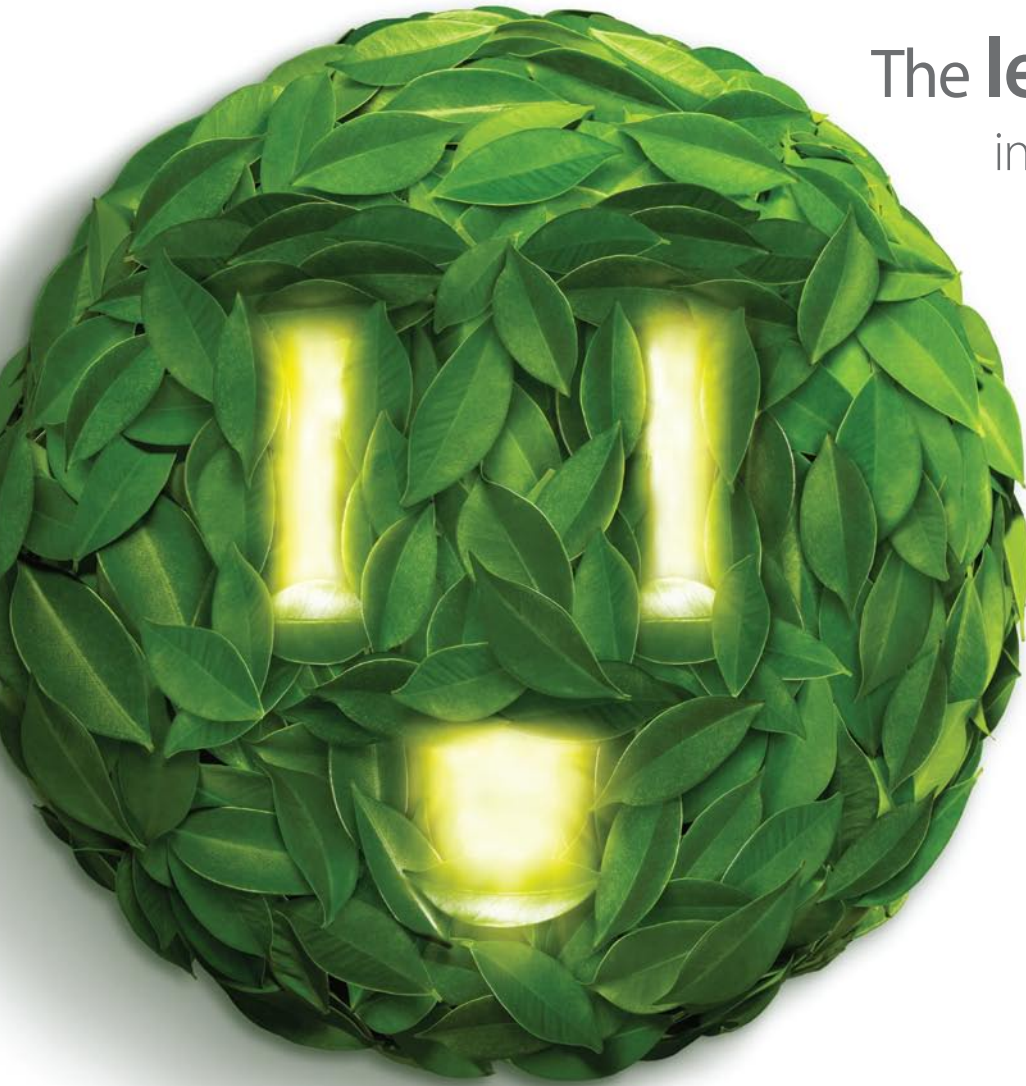


The **leading** force  
in **green** power



## SunForte PM318B00

Mono-crystalline Photovoltaic Module

**19.5%**  
EFF.

**315W**  
318W

### Power Range

315-318 Wp



### Highly Strengthened Design

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



### Back Contact Cells

No string in the front side enhances light conversion space

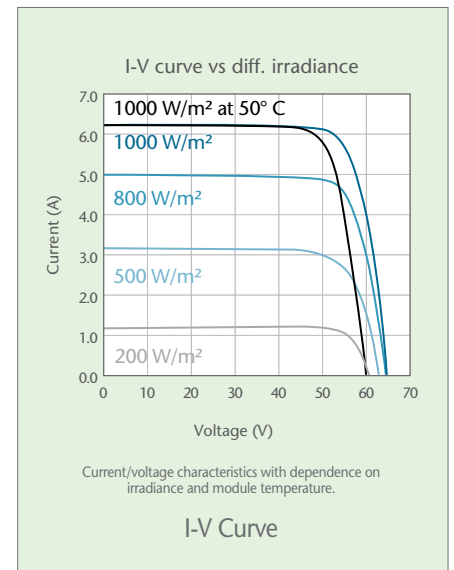
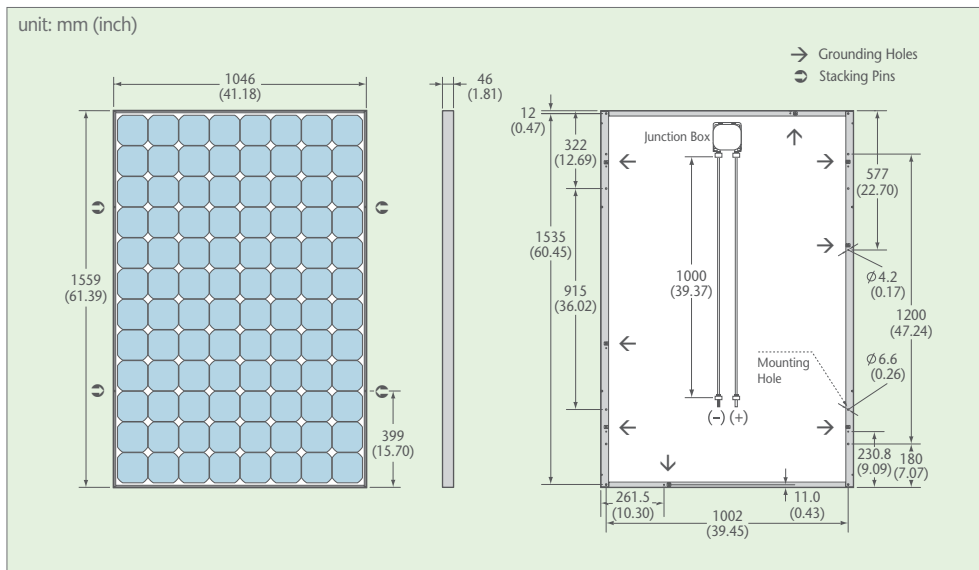
EFF. ↑  
**19.5%**

### 19.5% Efficiency

The highest efficiency of 19.5%



# SunForte PM318B00 (315-318 Wp)



## Electrical Data

| Typ. Nominal Power P <sub>N</sub>              | 315 Wp    | 318 Wp |
|--|-----------|--------|
| Typ. Module Efficiency                         | 19.30%    | 19.50% |
| Typ. Nominal Voltage V <sub>mp</sub> (V)       | 54.70     | 54.70  |
| Typ. Nominal Current I <sub>mp</sub> (A)       | 5.76      | 5.82   |
| Typ. Open Circuit Voltage V <sub>oc</sub> (V)  | 64.60     | 64.70  |
| Typ. Short Circuit Current I <sub>sc</sub> (A) | 6.14      | 6.20   |
| Maximum Tolerance of P <sub>N</sub>            | -3% / +5% |        |

• Above data are the effective measurement at Standard Test Conditions (STC)  
 • STC : irradiance 1000W/m<sup>2</sup>, spectral distribution AM 1.5, temperature 25 ± 2° C, in accordance with EN 60904-3  
 • The given electrical data are nominal values which account for basic measurements and manufacturing tolerances of ±10%, with the exception of P<sub>N</sub>. The classifications is performed according to P<sub>N</sub>

## Temperature Coefficient

|   |            |
|---|------------|
| NOCT  | 45 ± 2° C  |
| Typ. Temperature Coefficient of P <sub>N</sub>  | -0.38% / K |
| Typ. Temperature Coefficient of V <sub>oc</sub> | -0.27% / K |
| Temperature Coefficient of I <sub>sc</sub>      | 0.06% / K  |

• NOCT: Normal Operation Cell Temperature, measuring conditions: irradiance 800W/m<sup>2</sup>, AM1.5, air temperature 20° C, wind speed 1m/s

## Mechanical Characteristics

|                        |   |
|------------------------|---|
| Dimensions (L x W x H) | 1559 x 1046 x 46 mm (61.39 x 41.18 x 1.81 inches)                   |
| Weight                 | 18.6 kg (41.0 lbs)  |
| Front Glass            | High transmission tempered glass with AR-Tech, 3.2 mm (0.13 inches) |
| Cell                   | 96 high efficiency back contact cells, 125 mm x 125 mm (5" x 5")    |
| Cell Encapsulation     | EVA   |
| Back Sheet             | Composite film  |
| Frame                  | Anodized aluminum frame   |
| Junction Box           | Junction box with 3 bypass diodes                                   |
| Cables                 | Length : each 1.0 m (39.37 inches)                                  |
| Connector Type         | MC4   |

## Operating Conditions

|                               |   |
|-------------------------------|---|
| Operating Temperature         | -40...+80° C  |
| Ambient Temperature Range     | -40...+45° C  |
| Maximum System Voltage        | 1000 V  |
| IP Protection Level           | IP 65   |
| Serial Fuse Rating            | 15 A  |
| Maximum Surface Load Capacity | Tested up to 5400 Pa according to IEC 61215 (advanced test) |

## Warranties and Certifications

|                       |  |
|-----------------------|--|
| Product Warranty      | Maximum 5 years for material and workmanship               |
| Performance Guarantee | Guaranteed output of 90% for 10 years and 80% for 25 years |
| Certifications        | According to IEC 61215 and IEC 61730 guidelines *          |

\* Please confirm other certifications with AUO official dealers



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