

# Sunmodule<sup>®</sup> Pro-Series SW 260 POLY (33mm frame)



TUV Power controlled:  
Lowest measuring tolerance in industry



Every component is tested to meet  
3 times IEC requirements



Designed to withstand heavy  
accumulations of snow and ice



Sunmodule Plus:  
Positive performance tolerance



25-year linear performance warranty  
and 10-year product warranty



Glass with anti-reflective coating



## World-class quality

Fully-automated production lines and seamless monitoring of the process and material ensure the quality that the company sets as its benchmark for its sites worldwide.

## SolarWorld Plus-Sorting

Plus-Sorting guarantees highest system efficiency. SolarWorld only delivers modules that have greater than or equal to the nameplate rated power.

## 25-year linear performance guarantee and extension of product warranty to 10 years

SolarWorld guarantees a maximum performance digression of 0.7% p.a. in the course of 25 years, a significant added value compared to the two-phase warranties common in the industry, along with our industry-first 10-year product warranty.\*

\*in accordance with the applicable SolarWorld Limited Warranty at purchase.  
[www.solarworld.com/warranty](http://www.solarworld.com/warranty)



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Blowing sand resistance, IEC 60068-2-68
- Ammonia resistance, IEC 62716
- Salt mist corrosion, IEC 61701
- Periodic inspection



- Periodic inspection
- Power controlled



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## PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)\*

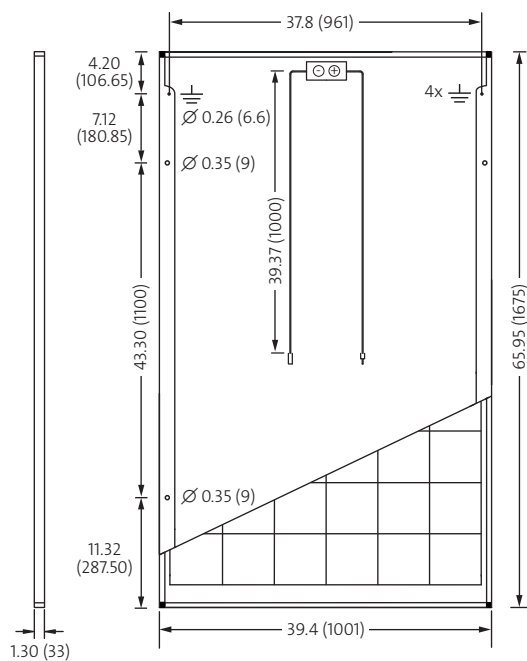
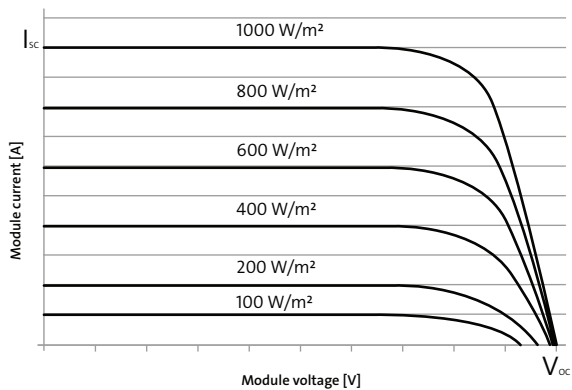
|                             |           |         |
|-----------------------------|-----------|---------|
| Maximum power               | $P_{max}$ | 260 Wp  |
| Open circuit voltage        | $V_{oc}$  | 38.4 V  |
| Maximum power point voltage | $V_{mpp}$ | 31.4 V  |
| Short circuit current       | $I_{sc}$  | 8.94 A  |
| Maximum power point current | $I_{mpp}$ | 8.37 A  |
| Module efficiency           | $\eta_m$  | 15.51 % |

\*STC: 1000 W/m<sup>2</sup>, 25°C, AM 1.5

1) Measuring tolerance ( $P_{max}$ ) traceable to TUV Rheinland: +/- 2% (TUV Power Controlled).

## THERMAL CHARACTERISTICS

|                       |               |
|-----------------------|---------------|
| NOCT                  | 46 °C         |
| TC $I_{sc}$           | 0.051 %/°C    |
| TC $V_{oc}$           | -0.31 %/°C    |
| TC $P_{mpp}$          | -0.41 %/°C    |
| Operating temperature | -40°C to 85°C |



All units provided are imperial. SI units provided in parentheses.  
SolarWorld AG reserves the right to make specification changes without notice.

## PERFORMANCE AT 800 W/m<sup>2</sup>, NOCT, AM 1.5

|                             |           |          |
|-----------------------------|-----------|----------|
| Maximum power               | $P_{max}$ | 192.4 Wp |
| Open circuit voltage        | $V_{oc}$  | 34.8 V   |
| Maximum power point voltage | $V_{mpp}$ | 28.5 V   |
| Short circuit current       | $I_{sc}$  | 7.35 A   |
| Maximum power point current | $I_{mpp}$ | 6.76 A   |

Minor reduction in efficiency under partial load conditions at 25°C: at 200 W/m<sup>2</sup>, 100% (+/-2%) of the STC efficiency (1000 W/m<sup>2</sup>) is achieved.

## COMPONENT MATERIALS

|                  |                                    |
|------------------|------------------------------------|
| Cells per module | 60                                 |
| Cell type        | Poly crystalline                   |
| Cell dimensions  | 6.14 in x 6.14 in (156mm x 156 mm) |
| Front            | Tempered glass (EN 12150)          |
| Frame            | Clear anodized aluminum            |
| Weight           | 39.7 lbs (18.0 kg)                 |

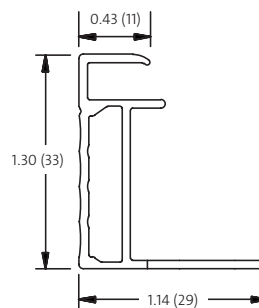
## SYSTEM INTEGRATION PARAMETERS

|                                    |                   |                                   |
|------------------------------------|-------------------|-----------------------------------|
| Maximum system voltage SC II / NEC | 1000 V            |                                   |
| Maximum reverse current            | 25 A              |                                   |
| Number of bypass diodes            | 3                 |                                   |
| Design Loads*                      | Two rail system   | 113 psf downward<br>64 psf upward |
| Design Loads*                      | Three rail system | 178 psf downward<br>64 psf upward |
| Design Loads*                      | Edge mounting     | 178 psf downward<br>41 psf upward |

\* Please refer to the Sunmodule installation instructions for the details associated with these load cases.

## ADDITIONAL DATA

|                            |                                       |
|----------------------------|---------------------------------------|
| Power sorting <sup>1</sup> | -0 Wp / +5 Wp                         |
| J-Box                      | IP65                                  |
| Module leads               | PV wire per UL4703 with H4 connectors |
| Module type (UL 1703)      | 1                                     |
| Glass                      | Low iron tempered with ARC            |



- Compatible with both "Top-Down" and "Bottom" mounting methods
- Grounding Locations:
  - 4 locations along the length of the module in the extended flange.