

# Sunmodule<sup>®</sup> Pro-Series

## SW 250-260 POLY (33mm black 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)\*

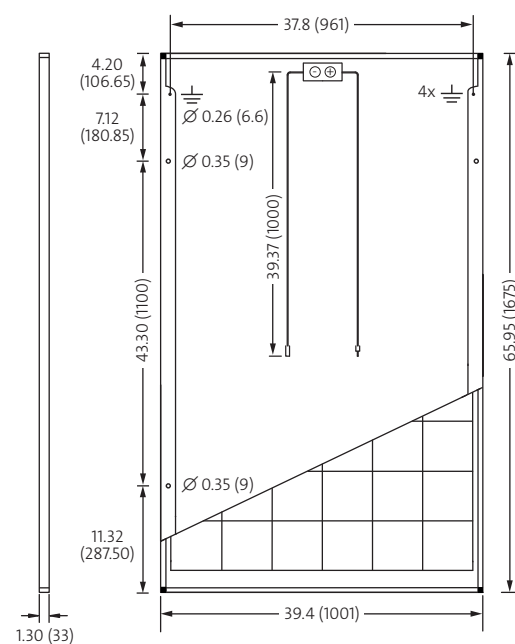
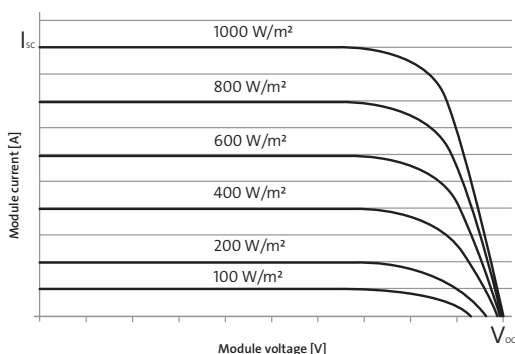
		SW 250	SW 255	SW 260
Maximum power	$P_{max}$	250 Wp	255 Wp	260 Wp
Open circuit voltage	$V_{oc}$	37.6 V	38.0 V	38.4 V
Maximum power point voltage	$V_{mpp}$	30.5 V	30.9 V	31.4 V
Short circuit current	$I_{sc}$	8.81 A	8.88 A	8.94 A
Maximum power point current	$I_{mpp}$	8.27 A	8.32 A	8.37 A
Module efficiency	$\eta_m$	14.91 %	15.21 %	15.51 %

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

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

		SW 250	SW 255	SW 260
Maximum power	$P_{max}$	185.4 Wp	188.7 Wp	192.4 Wp
Open circuit voltage	$V_{oc}$	34.2 V	34.5 V	34.8 V
Maximum power point voltage	$V_{mpp}$	27.8 V	28.1 V	28.5 V
Short circuit current	$I_{sc}$	7.24 A	7.30 A	7.35 A
Maximum power point current	$I_{mpp}$	6.68 A	6.72 A	6.76 A

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



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

### COMPONENT MATERIALS

Cells per module	60	Front	Low-iron tempered glass with ARC (EN 12150)
Cell type	Poly crystalline	Frame	Black anodized aluminum
Cell dimensions	6.14 in x 6.14 in (156 mm x 156 mm)	Weight	39.7 lbs (18.0 kg)

### THERMAL CHARACTERISTICS

NOCT	46°C
$TCI_{sc}$	0.051 %/K
$TCV_{oc}$	-0.31 %/K
$TCV_{mpp}$	-0.41 %/K
Operating temp	-40° C to +85° C

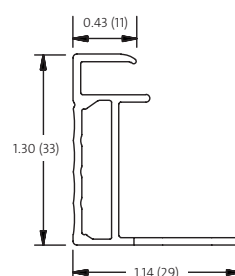
### ADDITIONAL DATA

Power sorting	-0 Wp/+5 Wp
J-Box	IP65
Connector	PV wire per UL4703 with H4 connectors
Module fire performance	(UL 1703) Type 1

### PARAMETERS FOR OPTIMAL SYSTEM INTEGRATION

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

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



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