

# Sunmodule®

## SW 150 POLY R6A



TUV Power controlled:  
Lowest measuring tolerance in industry



25-year performance warranty  
and 5-year product warranty

### 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.

Resistant to extreme weather conditions, SolarWorld modules are tested and certified resistant against sandstorms, high winds and coastal environments.

\*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
- Periodic inspection
- Blowing sand resistant



- Periodic inspection
- Power controlled



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## SW 150 POLY R6A



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

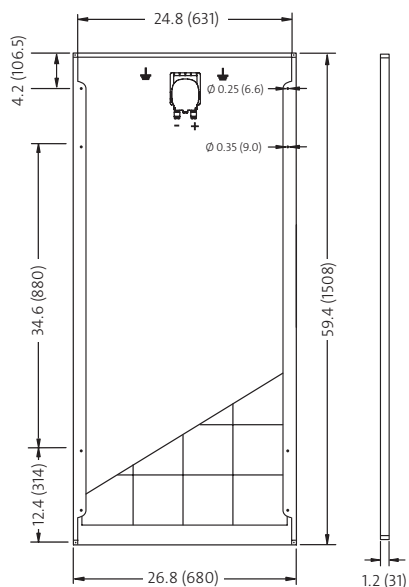
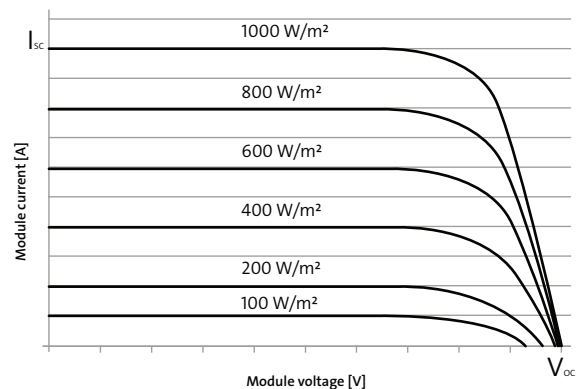
Maximum power	$P_{max}$	150 Wp
Open circuit voltage	$V_{oc}$	22.5 V
Maximum power point voltage	$V_{mpp}$	18.3 V
Short circuit current	$I_{sc}$	8.81 A
Maximum power point current	$I_{mpp}$	8.27 A
Module efficiency	$\eta_m$	15.12 %

\*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 to +85 °C



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

Maximum power	$P_{max}$	110.1 Wp
Open circuit voltage	$V_{oc}$	20.5 V
Maximum power point voltage	$V_{mpp}$	16.6 V
Short circuit current	$I_{sc}$	7.17 A
Maximum power point current	$I_{mpp}$	6.62 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	36
Cell type	Polycrystalline
Cell dimensions	6.14 in x 6.14 in (156 mm x 156 mm)
Front	Tempered glass (EN 12150)
Frame	Clear anodized aluminum
Weight	26.0 lbs (11.8 kg)

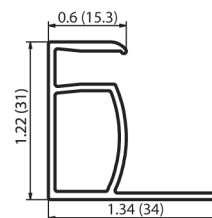
### SYSTEM INTEGRATION PARAMETERS

Maximum system voltage SC II	1000 V
Maximum system voltage NEC	600 V
Maximum reverse current	15 A
Number of bypass diodes	2
Design Loads*	Two rail system 113 psf downward 50 psf upward

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

### ADDITIONAL DATA

Power sorting	+/- 5 %
J-Box	IP65
Module type (UL 1703)	1



### VERSION 2.5 FRAME

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

