



## **SLIVER4500 Solar System Panel Specifications**

Your Origin SLIVER system will be supplied with one of the following sets of panels:

<b>Manufacturer</b>	<b>Mono Or Poly</b>	<b>Size (Watts)</b>	<b>Panels Required To Achieve Minimum 4500 Watts</b>
SLIVER	Mono	150	30
SLIVER	Mono	157	30

Please note all solar panels supplied are CEC accredited and compliant with IEC/EN61730 and IEC/EN61215 or IEC/EN61646.

The choice of panels will be at the **sole discretion** of our installer subject to such matters as stock availability.

Please see the following specification sheet for further details and panel specifications.



## High-Performance Series IV 150W Monocrystalline Silicon Photovoltaic Module

Our patented SLIVER™ technology, with 70 parallel connections per module, delivers **near-linear partial shading response** from the module and reduces system losses in common transient shade conditions regularly found on site.

**Yield** is increased by low operating temperatures and low temperature coefficients due to the unique cell architecture.

With triple interconnect redundancy and very low interconnect current in a cell, SLIVER modules deliver **high reliability**.

Our patented manufacturing process delivers **distinctly different**, ultra-thin monocrystalline and perfectly **bifacial** SLIVER cells.

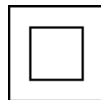
Lower silicon consumption (g/W) enables **faster energy payback** time.

SLIVER modules' improved shade tolerance enables **tighter row-to-row packing density**, allowing array footprints to be minimized.

**25-year warranty** – See Transform Solar Limited Warranty for more details.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- ANSI/UL 1703 listed
- Periodic inspection



AS5033 Compliant



# High-Performance Series IV 150W

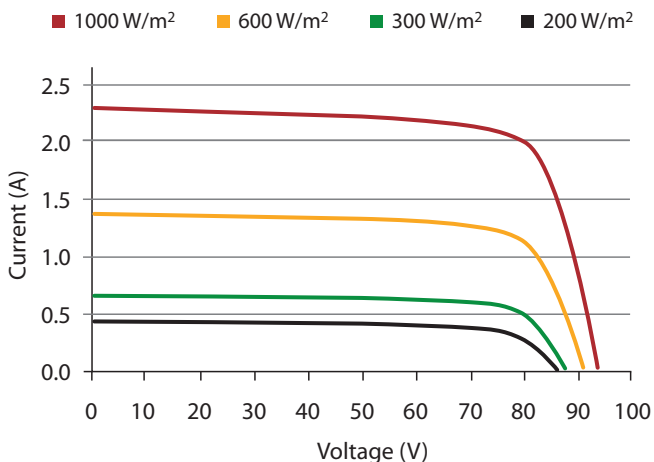
## Monocrystalline Silicon Photovoltaic Solar Module

### Electrical Performance

SVR-HP150IV	STC <sup>(1)</sup> 1000 W/m <sup>2</sup>	NOCT <sup>(2)</sup> 800 W/m <sup>2</sup>
Maximum Power (Pmp)	150W	111.3W
Voltage @ Pmp	74.3V	68.4V
Current @ Pmp	2.02A	1.63A
Voltage Open-Circuit (V <sub>OC</sub> )	93.2V	87.3V
Current Short-Circuit (I <sub>SC</sub> )	2.27A	1.83A
Power Tolerance	±3%	-
NOCT Value	-	43°C
Temperature Coefficient Pmp	-0.41%/K	-
Temperature Coefficient I <sub>SC</sub>	0.04%/K	-
Temperature Coefficient V <sub>OC</sub>	-0.30%/K	-
Maximum System Voltage	600V	-
Maximum Series Fuse Rating	6A	-
Limiting Reverse Current	6A	-
Application Classification	Class A (IEC61730)	-

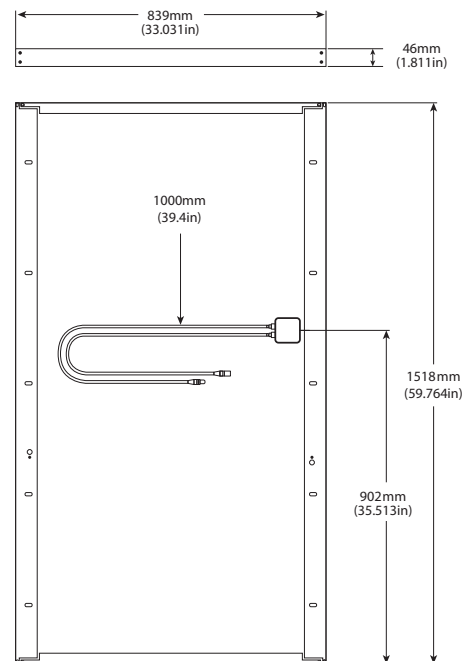
Note: Typical efficiency reduction @ 200 W/m<sup>2</sup> is less than 7%.  
 (1) Standard test conditions (STC) – 1000 W/m<sup>2</sup> irradiance, 25°C, and 1.5 air mass spectrum.  
 (2) Nominal operational cell temperature (NOCT) – 800 W/m<sup>2</sup> irradiance, 20°C ambient, and 1.5 air mass spectrum.

### SLIVER IV Curve (Typical)



### Mechanical Characteristics

SVR-HP150IV	
Dimensions (Length x width x depth)	1518 x 839 x 46mm (59.8 x 33.0 x 1.8in)
Weight	~17kg (~37.5 lbs)
Cell Type and Material	Monocrystalline silicon
Frame Material	Aluminum
Front Cover	3.2mm toughened glass
Encapsulant	EVA
Bypass Diode	1 per module
Junction Box Rating	IP67
Connectors	MC3- or MC4-compatible
PV Cable Length (each)	1000mm (39.4in)
PV Cable Area	2.5mm <sup>2</sup> (#14AWG)



### Transform Solar

8000 S. Federal Way  
Boise, Idaho 83716 U.S.A.

sales@transformsolar.com  
+1 208.395.8400

transformsolar.com





## High-Performance Series IV 157W Monocrystalline Silicon Photovoltaic Module



Our patented SLIVER™ technology, with 70 parallel connections per module, delivers **near-linear partial shading response** from the module and reduces system losses in common transient shade conditions regularly found on site.

**Yield** is increased by low operating temperatures and low temperature coefficients due to the unique cell architecture.

With triple interconnect redundancy and very low interconnect current in a cell, SLIVER modules deliver **high reliability**.

Our patented manufacturing process delivers **distinctly different**, ultra-thin monocrystalline and perfectly **bifacial** SLIVER cells.

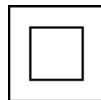
Lower silicon consumption (g/W) enables **faster energy payback** time.

SLIVER modules' improved shade tolerance enables **tighter row-to-row packing density**, allowing array footprints to be minimized.

**25-year warranty** – See Transform Solar Limited Warranty for more details.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- ANSI/UL 1703 listed
- Periodic inspection



AS5033 Compliant



# High-Performance Series IV 157W

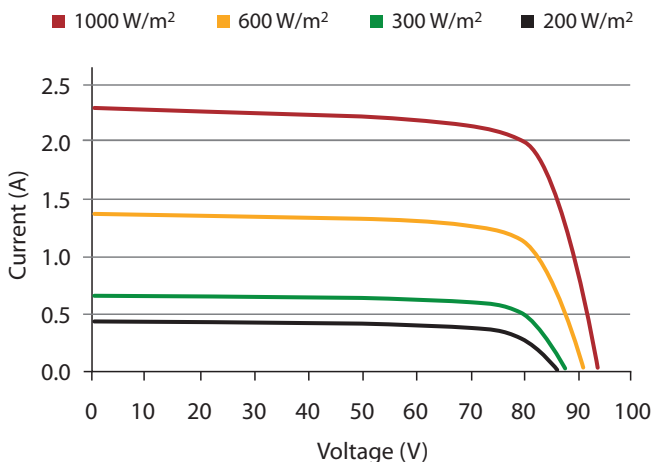
## Monocrystalline Silicon Photovoltaic Solar Module

### Electrical Performance

SVR-HP157IV	STC <sup>(1)</sup> 1000 W/m <sup>2</sup>	NOCT <sup>(2)</sup> 800 W/m <sup>2</sup>
Maximum Power (Pmp)	157W	116.6W
Voltage @ Pmp	75.5V	69.6V
Current @ Pmp	2.08A	1.68A
Voltage Open-Circuit (V <sub>OC</sub> )	93.9V	88.0V
Current Short-Circuit (I <sub>SC</sub> )	2.28A	1.84A
Power Tolerance	±3%	-
NOCT Value	-	43°C
Temperature Coefficient Pmp	-0.41%/K	-
Temperature Coefficient I <sub>SC</sub>	0.04%/K	-
Temperature Coefficient V <sub>OC</sub>	-0.30%/K	-
Maximum System Voltage	600V	-
Maximum Series Fuse Rating	6A	-
Limiting Reverse Current	6A	-
Application Classification	Class A (IEC61730)	-

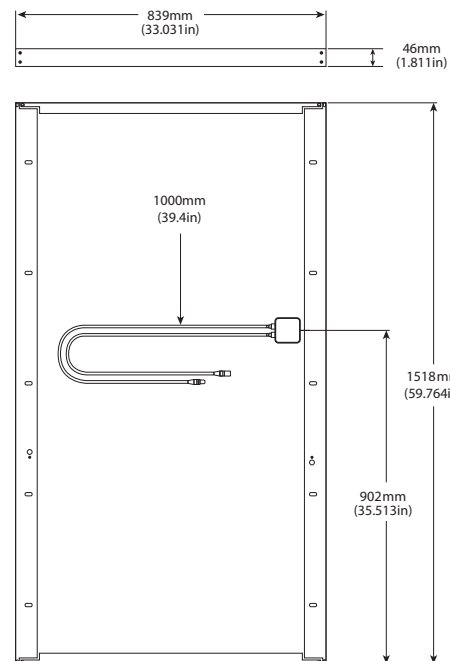
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