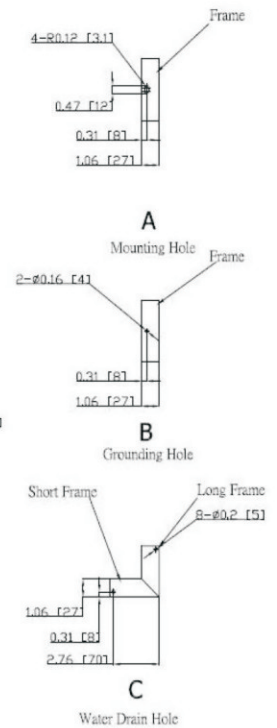
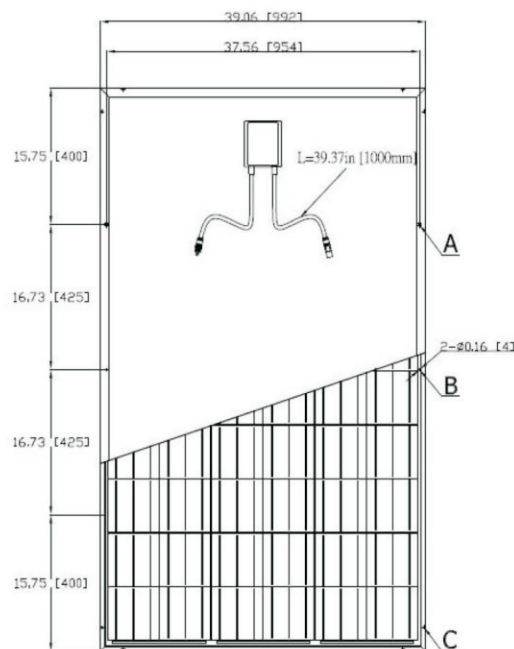
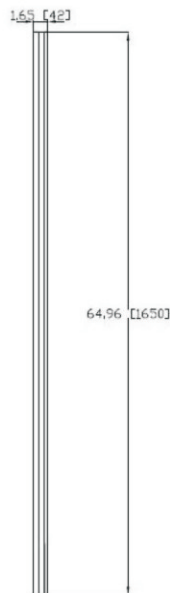
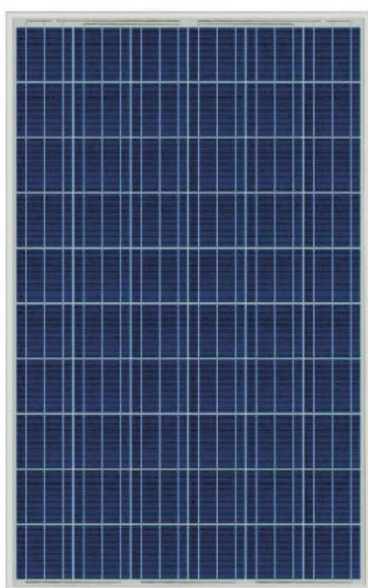




**Join the SMILE Solar Revolution**

**SSR240 Series**

**6" Poly-crystalline Solar Cell, 6x10pcs**



Unit: in [mm]



Certificate N° 09-PPV-000260801-W01-TIC



Certificate N° 09-PPV-000260802-W02-TIC

## Product Characteristics

### Physical Specifications

<b>Dimension [L x W x H]</b>	64.96 x 39.06 x 1.65in (1650 x 992 x 42mm)
<b>Module Area</b>	17.62 sq. ft (1.64m <sup>2</sup> )
<b>Weight</b>	40.79 lb (18.5 Kg)

### Electrical Characteristics: Performance at STC\*1

Model Type	SSR235P	SSR240P	SSR245P	SSR250P	SSR255P
Peak Power Rating, Pmax	235W	240W	245W	250W	255W
Power Tolerance	± 3%	± 3%	± 3%	± 3%	± 3%
Peak Power Voltage, Vmp	29.78V	30.18V	30.43V	30.69V	30.88V
Peak Power Current, Imp	7.90A	7.99A	8.07A	8.15A	8.32A
Open Circuit Voltage, Voc	37.39V	37.75V	37.99V	38.12V	38.70V
Short Circuit Current, Isc	8.48A	8.56A	8.62A	8.63A	8.94A
Power Density [ W / ft <sup>2</sup> ]	13.41	13.66	13.93	14.23	14.58
Power Density [ W / m <sup>2</sup> ]	144.39	147.05	149.92	153.15	156.96
Module Efficiency	14.44%	14.70%	14.99%	15.31%	15.70%

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

### Packing Specifications

<b>Modules Per Carton</b>	12pcs/Carton
<b>Modules Per Pallet</b>	24pcs/Pallet (=2 Cartons/Pallet)
<b>Pallet Dimension [L x W x H]</b>	66.3 x 44.7 x 43.9 in (1685 x 1134 x 1114 mm)
<b>Pallet Weight</b>	1134 Lbs (514Kg)
<b>20ft Container Capacity (pcs)</b>	288
<b>40ft Container Capacity (pcs)</b>	672

### System Integration Parameter & Safety Rating

<b>Maximum System Voltage (U.S. &amp; Canada)</b>	600VDC
<b>Maximum System Voltage (Area Not in the U.S. &amp; Canada)</b>	1000VDC (According to Norms in Each Area)
<b>Series Fuse Rating</b>	15A
<b>Fire Safety Class</b>	Class C
<b>Application Class</b>	Class A (Safety Class II)
<b>Environmental Operating Temperature (°F, °C)</b>	-40 to 185°F, -40 to 85°C

### Limited Warranty\*\*\*

<b>Product</b>	10Years
<b>90% Output Power</b>	10Years
<b>80% Output Power</b>	25Years

\*\*\*For details, please read our warranty letter.

### Component materials

<b>Cell Qty per Module</b>	60pcs
<b>Cell Type</b>	Poly-crystalline Silicon
<b>Cell Dimensions</b>	6 x 6 in (156 x 156 mm)
<b>Laminate Construction</b>	Front: Tempered Glass Encapsulation: Solar Cells Embedded in EVA (Ethylene-Vinyl-Acetate) Rear: Tedlar Color of back sheet: White / Black

<b>Glass</b>	Low-Iron Tempered Glass Standard thickness: 0.126in (=3.2mm) (>0.126in (=3.2mm), ex. 0.157in (=4mm) or above, custom-made possible.)
<b>Junction Box</b>	IP65, Kit with Solar Cables & Connectors, TÜV Certified & UL Listed
<b>Bypass Diodes</b>	3pcs, TÜV Certified & UL Listed
<b>Cable</b>	Solar Cable x2 (Kit with Junction Box & Connector) Cable Length: 39.37/39.37in. (1000/1000mm) Wire Size: AWG #12, 4.0mm <sup>2</sup> , TÜV Certified & UL Listed
<b>Connector</b>	Tyco Connectors, x2 (Male Coupler x1 + Female Coupler x1) MC4 Connectors (Optional), x2 (Male Coupler x1 + Female Coupler x1) TÜV Certified & UL Listed
<b>Frame</b>	Anodized Aluminum Frame. Color: Silver or Black

### Thermal Characteristics

<b>NOCT (Nominal Operating Cell Temperature) °F, °C</b>	120.38°F, 49.1°C
<b>Temperature Coefficient TK I<sub>sc</sub> (Short Circuit Current) α</b>	+0.123%/°C
<b>Temperature Coefficient TK V<sub>oc</sub> (Open Circuit Voltage) β</b>	-0.296%/°C
<b>Temperature Coefficient TK P<sub>max</sub> (Peak Power) γ</b>	-0.376%/°C

### About Smile Solar

SMILE Solar is a global professional manufacturer to provide solar modules and solar system construction. Through best-quality, and high-performance solar modules and a variety of solar solutions, SMILE Solar can meet and satisfy your perfect standard and need.

### High Performance

Own key technologies and capabilities to rapidly ramp up

Module maximum conversion efficiency > 14%

3BB Full Square Mono and Multicrystalline high efficiency solar modules

### Best Quality and Reliability

We guarantee that all the solar modules are made in Taiwan.

- ⊙ Modules independently tested to ensure conformance with certification and regulatory standards.
- ⊙ Manufacturing facility certified to ISO 9001 Quality Management System standards.

### Warranties

10-year limited product warranty

Warranty of minimal power output 90% at STC for 10 years

Warranty of minimal power output 80% at STC for 25 years

### Contact Windows

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