

250 WATT

HIGH QUALITY POLY-CRYSTALLINE PV MODULES

Now Available with a Black Frame.

SMX USA®

Using automated production lines, top of the line solar cells and materials complying to highest industry standards.



Solar module efficiency up to 15.26% :
Generate more energy per square meter.



Protective, Bypass diodes:
Avoids effect of partial shading.



Factory equipped weatherproof junction box, waterproof (UL94, V-0) connector, anodized aluminum frame:
Flawless operation in wet weather and marine applications. Perfect for GRID applications.



White tempered glass, EVA resin, weather proof film, black anodized frame:
Resilient to harsh weather conditions.



Highest standards in manufacturing and design quality, Cleanroom-like production line ISO9001:2008:
Optimal panel performance. Long term product performance.

QUALITY ASSURANCE

- Salt Mist Corrosion Certified
- Wind Resistance Load: 6000Pa
- ISO9001:2008

INVESTMENT PROTECTION

- 10 years product workmanship guarantee
- 12 years 90% power output warranty
- 25 years 80% power output warranty

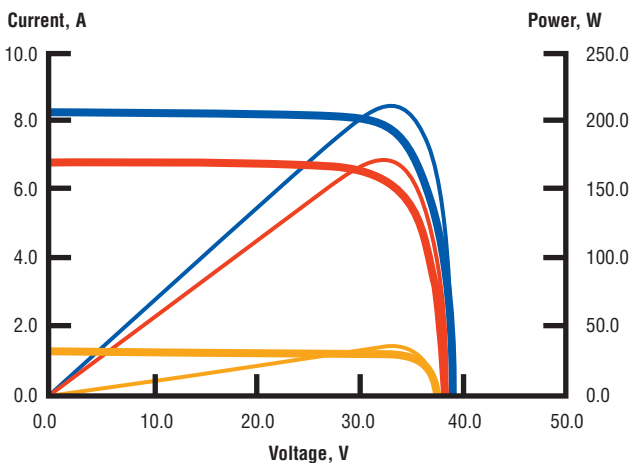
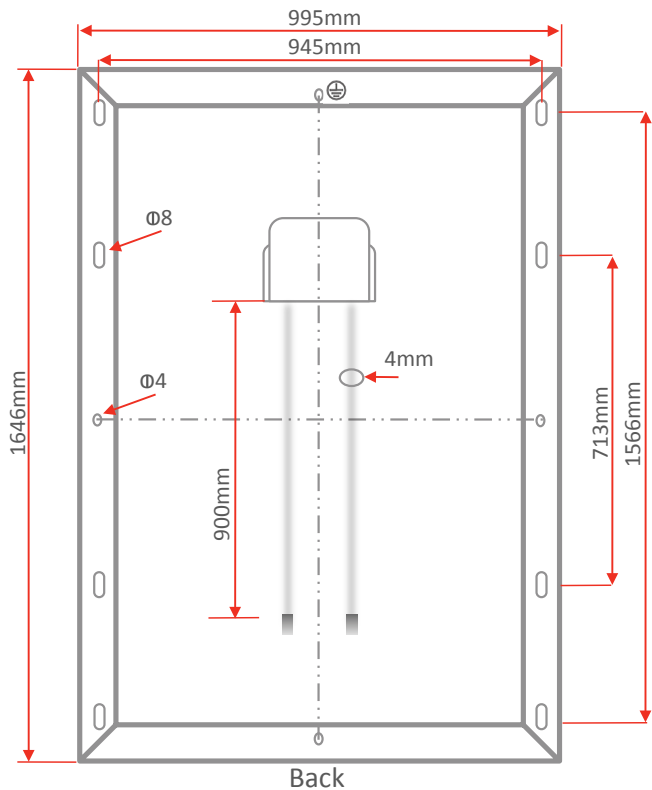
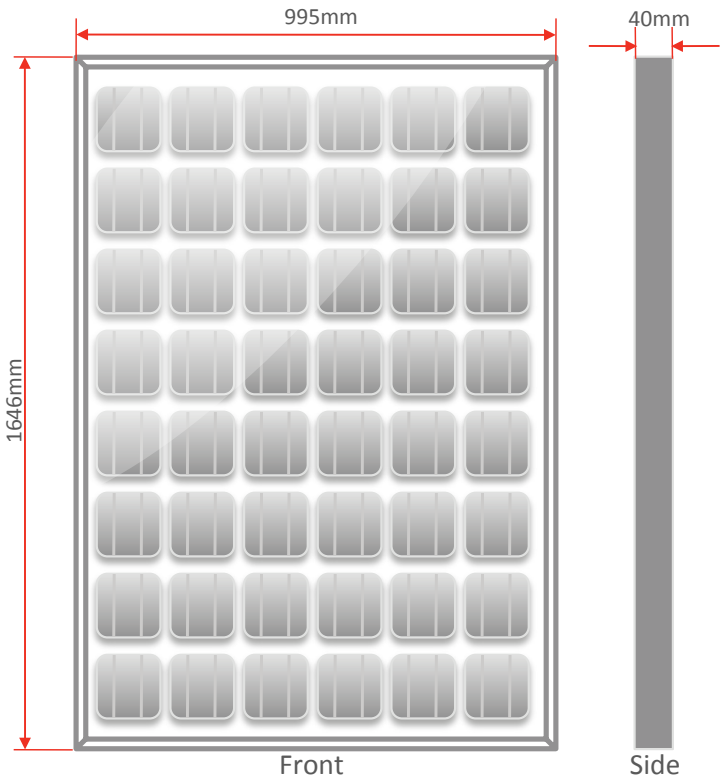


ELECTRICAL CHARACTERISTICS	SMX USA 250
Maximum Power [W]	250
Tolerance	+3%
Open circuit Voltage [V]	37.20
Short circuit Current [A]	8.52
Maximum Power Voltage [V]	31.20
Maximum Power Current [A]	8.03
Solar Module Efficiency [%]	15.26
Series Fuse Rating [A]	15
Terminal Box Protection Code	IP65
Maximum System Voltage [V]	DC1000 (IEC) DC600 (UL)
Operating Temperature [C]	-40 to 85
Number of cells	60 (6" Poly)

MECHANICAL CHARACTERISTICS	
Frame	Anodized Aluminum
Dimension (L x W x D)	64.80" x 39.17" x 1.57" / 1646mm x 995mm x 40mm
Weight/pc	19.0kg/41.9lbs
Loading/container	312pcs/20ft; 728/40ft
Maximum wind load	6000 Pa

TEMPERATURE COEFFICIENTS	
NOTC	44.9±0.1°C
Short circuit current	+0.06%/C
Open circuit voltage	-0.15%/C
Max power output	-0.45%/C

STANDARD TEST CONDITIONS (STC)	
Irradiance	1000W/m ²
Module Temperature	25 °C
AC	1.5



▬ Current & Voltage
 ▬ Power & Voltage

