

**ELEGANT, EFFICIENT, ECONOMICAL SOLAR POWER SYSTEMS**

Open Energy's SolarSave® Roofing Tile is a unique product that maintains the natural look of your property while generating clean, safe, efficient electricity from the sun. SolarSave® Roofing Tiles are easy to install on new or retrofit residential home sloped roofs.

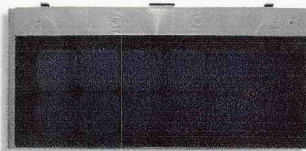
**BENEFITS AT A GLANCE**

- Blends seamlessly into existing roofline
- Increases the resale value of your property
- Significantly reduces monthly energy bill
- Provides quiet and reliable power generation
- Tax credits and other incentives available
- Reduces pollution and green house gas emissions
- Provides safe and sustainable energy solutions

**FEATURES AT A GLANCE**

- Excellent aesthetic beauty and available in multiple colors
- Designed to integrate seamlessly with both flat and S tile concrete roof systems
- Snow load capacity over 200 pounds per square foot
- Wind load rating up to 125 m.p.h with clips installed
- Class A Fire rated, CSA Certified to UL 1703
- Durable, can be walked on by installers or building owner
- Low voltage configuration provides additional safety factor
- Available colors; Slate Grey, Terracotta Red, and Earth Brown

slate grey



terracotta red



earth brown



Residential Application

## INSTALLATION AT A GLANCE

- Blends into tile roof systems in form and color
- Smaller tiles allow for a better fit into roof areas
- Can be integrated with any type of roof system, including composite shingles, and metal roofing
- Provides a waterproof roof with no exposed roof penetrations
- No maintenance required
- Silently generates clean power

## EFFICIENCY AT A GLANCE

Each square foot of a SolarSave® Roofing Tile generates approximately 9 to 10 watts of AC electricity when operating in full sunlight. A 400 to 445 square foot rooftop installation will produce 4,000 to 4,005 watts (4kW), enough energy to meet the power requirements of a typical 2,500 square foot home. This includes powering air conditioning, lighting, refrigerator and typical household appliances.

## SAVINGS AT A GLANCE

Most 50 states and the District of Columbia currently offer financial incentives to support your solar energy investment. As of January 2007, California provides a \$2.50 per watt rebate. New Jersey pays up to \$4.40 per watt, which can cover over half of the cost of a PV system. Colorado, Illinois and Maine have similar aggressive programs. The Database of State Incentives for Renewable Energy ([www.DSIREUSA.com](http://www.DSIREUSA.com)) is an excellent source for information regarding the various incentive programs, which can include net metering, cash rebates, accelerated depreciation, tax incentives, feed-in tariffs, and renewable energy credits.

## TECHNICAL SPECIFICATION AT A GLANCE

<b>Product description</b>	High efficiency crystalline Photovoltaic cells encapsulated in multi-layered lamination of glass, EVA, Tedlar and polycarbonate plastic to create the tile structure.			
<b>Color availability</b>	Slate Grey, Terracotta Red, and Earth Brown designed to integrate seamlessly with both flat and S tile concrete roof systems			
<b>Installation weight</b>	400 lbs. per 100 sq.ft., 12lbs.per tile			
<b>Material</b>	Polycarbonate			
<b>Roofing applications</b>	New construction and retrofit; residential and commercial sloped roofs			
<b>Actual size</b>	17" x 36" x 1"			
<b>Exposed size</b>	13" x 35" x 1"			
<b>Weight</b>	12 lbs.			
<b>Module encapsulation</b>	Glass, EVA, Tedlar®			
<b>Connector type</b>	Multi contact M/F			
<b>Output</b>	Per 100 sq. ft.:	Slate Grey: 1150 watts DC	Terracotta Red: 1050 watts DC	Earth Brown: 1000 watts DC
	Per tile:	Slate Grey: 35 watts DC	Terracotta Red: 30 watts DC	Earth Brown: 30 watts DC
<b>Roofing information</b>	Head lap: 3 to 4 in.	Exposure: 12 to 13.5 in.	Storm hook locations within rain channel	
<b>Efficiency under STC</b>	15 - 20%			
<b>Annual kWp per kWp</b>	Range: maximum 1800 to minimum 800			
<b>Area per kWp (AC)</b>	Slate Grey: 100 sq. ft.	Terracotta Red: 111 sq. ft.	Earth Brown: 111 sq. ft.	
<b>Nominal power Wp</b>	Slate Grey: 35 watts DC	Terracotta Red: 30 watts	Earth Brown: 30 watts DC	
<b>Max power current</b>	Slate Grey: 5.3A	Terracotta Red: 6.4A	Earth Brown: 6.4A	
<b>Short circuit current</b>	Slate Grey: 5.6A	Terracotta Red: 7.4A	Earth Brown: 7.4A	
<b>Open circuit voltage</b>	Slate Grey: 8.0VDC	Terracotta Red: 6.0VDC	Earth Brown: 6.0VDC	
<b>Max power voltage</b>	Slate Grey: 6.6VDC	Terracotta Red: 4.7VDC	Earth Brown: 4.7VDC	
<b>Bypass diode</b>	1 per tile			
<b>Max. system voltage</b>	600V			
<b>Operating temperature</b>	-40 to +160° F			

## WARRANTY

25-year warranty on 80% power output

## CERTIFICATIONS

Class A Fire Rated  
600 VDC  
CSA certified to UL 1703



For more information:

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Open Energy Corporation (OTC:BB OEGY) is a San Diego based company dedicated to the development of renewable energy solutions. Our mission is to enhance life by harnessing the power of the sun.