



Lumeta Solar S Tile is the first roof integrated solar solution that simulates the shape of clay and concrete profiled tiles, resulting in greatly improved roof system functionality and aesthetics.



Lumeta Solar Flat Tile integrates with conventional clay and concrete flat tiles, resulting in an aesthetically pleasing solar roof system.

Features & Benefits:

Building Integrated PV (BIPV)

Avoids roof penetrations and the need for mounting structures, reducing Balance of System (BOS) costs.

Integrated Tile Design

Integrates with clay and concrete, flat and profiled tiles, replacing the roof tiles with Lumeta Solar Tiles.

Designed to Match

Replicates the look of clay and concrete flat and profiled tiles, maintaining the aesthetics of the overall roof system.

Attractive Colors

Manufactured in the most popular color choices available for clay and concrete flat and profiled tiles.

US Patents: 7,506,477 and 7,509,775

www.lumetasolar.com / 949-266-3855

Electrical Characteristics

| | |
|------------------------------------|-------------------------|
| Peak Power (Pmax) | 28 Wp |
| Maximum Power Point Voltage (Vmpp) | 5.9 V |
| Maximum Power Point Current (Impp) | 4.9 A |
| Open Circuit Voltage (Voc) | 7.4 V |
| Short Circuit Current (Isc) | 5.2 A |
| Cells per Module: | 12 |
| Solar Cells: | Monocrystalline Silicon |
| Cell Dimension: | 125 mm x 125 mm |

Solar S Tile



| | | |
|----------------|---------------|----------|
| Length: | 17 inches | (432 mm) |
| Width: | 38.125 inches | (968 mm) |
| Height: | 3 inches | (76 mm) |
| Weight: | 18 lbs | (8.2 kg) |

Roof Compatibility

Roof Slope

3:12 (14°) or greater

Roof Tiles:

Concrete Flat and Profiled Tiles

Clay Flat and Profiled Tiles

Warranty

5-year repair or replacement warranty

12-year / 25-year limited peak power warranty

Class A Fire Rating Expected

Solar Flat Tile



| | | |
|----------------|---------------|----------|
| Length: | 17 inches | (432 mm) |
| Width: | 35.625 inches | (905 mm) |
| Height: | 1.375 inches | (35 mm) |
| Weight: | 19 lbs | (8.6 kg) |

Lumeta is a leading developer of Building Integrated Photovoltaic (BIPV) products.

With over 30 years of experience in the roofing industry, we've been able to develop innovative solar modules that integrate into a variety of commercial and residential roof systems. Lumeta solar modules are as aesthetically pleasing as they are highly functional.