



**Lumeta PowerPly** is a Building Integrated Photovoltaic (BIPV) module for low slope applications. PowerPly utilizes monocrystalline solar cells to maximize energy output per square foot (meter) of roof surface. PowerPly's adhesive backing material eliminates the need for rack mounted structures, yielding seamless integration with the roof system. Lumeta PowerPly significantly reduces installation time and costs.



## Features & Benefits:

### Roof Integrated Design

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

### Adhesive Installation

Reduces installation costs by up to 50% and installation time by approximately 60%.

### Low Profile Application

Minimizes water ponding issues as a result of low, 0.4 in (1 cm) height.

### DuPont<sup>TM</sup> fluoropolymer Front Sheet

Eliminates use of the heavy glass superstrate, reducing the weight of the overall module and increasing its durability.



UL<sup>®</sup> 1703 - Pending

Class A Fire Rating - Pending

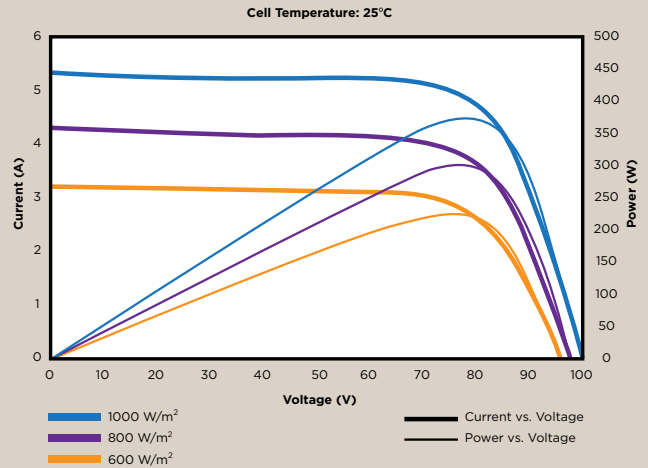
US Patents: 7,531,740 and 7,557,291

[www.lumetasolar.com](http://www.lumetasolar.com) / 949-266-3855

### Electrical Characteristics

Peak Power (Pmax)	390 Wp
Maximum Power Point Voltage (Vmpp)	82 V
Maximum Power Point Current (Impp)	4.79 A
Open Circuit Voltage (Voc)	105 V
Short Circuit Current (Isc)	5.33 A
Cells per Module:	160
Solar Cells:	Monocrystalline Silicon
Cell Dimension:	125 mm x 125 mm

### IV Curves



### Mechanical Characteristics

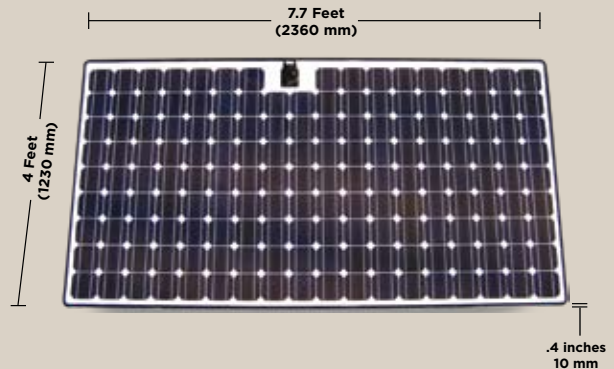
<b>Length:</b>	7.7 feet	(2360 mm)
<b>Width:</b>	4 feet	(1230 mm)
<b>Height:</b>	0.4 inches	(10 mm)
<b>Weight:</b>	75 lbs	(34 kgs)

### Roof System Compatibility

Single Ply Membranes (PVC, TPO, EPDM)  
Metal

### Roof Slope

2:12 (10°) or less



**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.