



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 approximately 70% and installation time by about 50%.

Low Profile Application

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

DuPont™ fluoropolymer Front Sheet

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



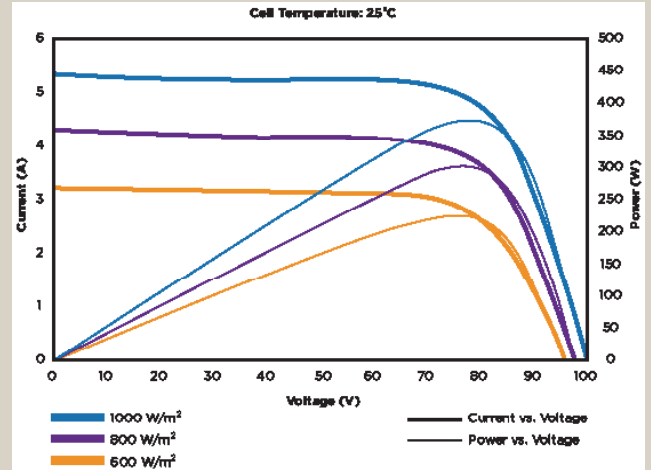
UL 1703 - Pending

Class C Fire Rating - Pending

Electrical Characteristics

| | |
|------------------------------------|-------------------------|
| Peak Power (Pmax) | 380 Wp |
| Maximum Power Point Voltage (Vmpp) | 79 V |
| Maximum Power Point Current (Impp) | 4.9 A |
| Open Circuit Voltage (Voc) | 98.9 V |
| Short Circuit Current (Isc) | 5.2 A |
| Cells per Module: | 160 |
| Solar Cells: | Monocrystalline Silicon |
| Cell Dimension: | 125 mm x 125 mm |

IV Curves



Mechanical Characteristics

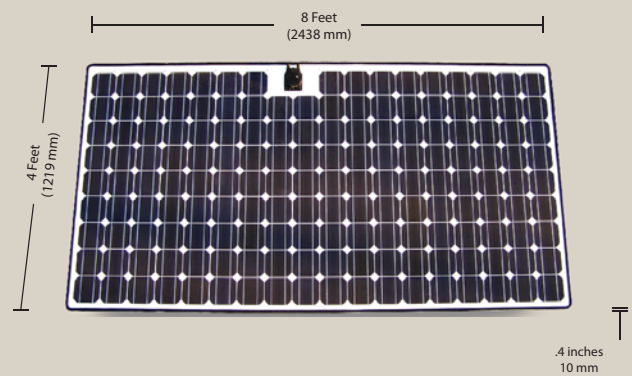
| | | |
|---------|------------|-------------|
| Length: | 8 feet | (2438 mm) |
| Width: | 4 feet | (1219 mm) |
| Height: | 0.4 inches | (10 mm) |
| Weight: | 70 lbs | (31.75 kgs) |

Roof System Compatibility

- Single Ply Membranes (PVC, TPO, EPDM)
- Built-up, Modified Bitumen, and 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.