



Custom Designer and Manufacturer Flexible, Solid State, Ultra-Thin Film Batteries for Sensor/Labels, Medical Patches, Smart Cards and Internet of Things Devices



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CEOCFO: *Mr. Peters, would you tell us about Brightvolt?*

Mr. Peters: Brightvolt is the world's leading designer and manufacturer of ultra-thin film batteries for Sensors/Labels, Medical Patches, Smart Cards and Internet of Things devices.

CEOCFO: *What qualifies Brightvolt as world's leading?*

Mr. Peters: We not only design and develop ultra-thin batteries but also manufacture our batteries. There may be others in the space that have developed an ultra-thin battery but we have the most sales to the market which means real manufacturing in quantity. We have sold over 15 million ultra-thin film batteries. We also have leading patents in this area.

CEOCFO: *What is different about a Brightvolt battery?*

Mr. Peters: There are two things that make our battery unique. One is the formulation and chemistry of the battery which is patented and the other is the way we manufacture our batteries. The BrightVolt Polymer Matrix Electrolyte (PME®) is a unique and proprietary electrolyte that allows for the battery to be solid state which renders the battery safer and less likely for any type of thermal runaway events aka a fire. Our batteries are unusually durable and they can withstand a high degree of heat and pressure and lamination processes which makes it ideal for embedding in some types of applications. Second, the BrightVolt PME® also allows for an improved manufacturing process. Between the two, we have a safer, thinner, more flexible, and more energy dense cell than our competitors.

CEOCFO: *What is different about the manufacturing process?*

Mr. Peters: It is the application of our patented Polymer Matrix Electrolyte. With the BrightVolt PME® there is no separator layer required during assembly, which should be contrasted to traditional assembly that does requires a separator. The 2-component, as opposed to traditional 3-component, assembly makes registration easier and more precise. Because the BrightVolt PME®/electrode ensemble interpenetrates into each other during the application process and the laminated electrode surfaces bond well because of the adhesive nature of the- PME®, a continuous interlock is achieved and interfacial resistances are reduced to the barest minimum.

CEOCFO: *Are people using the batteries aware of why they are better?*

Mr. Peters: Of those that know Brightvolt quite well, they do know this is a superior formulation and construction of the battery for their purposes. When we are working with Fortune 500 companies, they cannot have their products fail in the field because of poor battery performance. There is a growing reputation around BrightVolt but it is with our direct customers right now. We are starting to do some marketing to get out there and tell the world. We just won the IDTechEx