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US company, Sion Power Corporation presented a new generation of Lithium-Sulfur rechargeable battery at IDF, which features high energy density per weight and utilizes sulfur for transporting electric charge, and the energy density amounts to 350Wh/kg. They announced this energy density is 1.5 times higher than the conventional lithium rechargeable battery.

This also reduces 2/3 of the package weight when applies to notebook PC.

Displayed sample at IDF is under experimental level and prepared for Dell Computer, Inspiron 600m, and this battery package is demonstrated for 4 hours in the performance at the show.

Conventional package in the same size weighs 700g, and Sion's weighs 400g. However, the energy density per volume for Sion is lower than the conventional ones. Sion aims to launch a revised battery after 2007 at the mass production level by improving the performance.