

# Redlands Business

## Redlands company gets U.S. patent

REDLANDS — Redlands-based GEM Power, LLC was given a United States patent Nov. 4 for their “intelligent battery charging system.”

GEM Power’s battery chargers “diagnose” a battery’s health and life and can be used on board military and public safety vehicles.

CEO John James applied for the patent in May 2004.

GEM Power’s chargers are being used to charge police, fire and Caltrans radios, James said.

James said the company is having a meeting this week with the Navy and Boeing about a prototype

charger for aircraft. The company’s current charger, the 3500WIC, is being tested by the Army and Navy and charges batteries in 30 minutes.

The U.S. Patent and Trademark Office’s letter said GEM Power’s chargers detect “polarization in the battery during battery charging.” James said the chargers have the technology to know what they are connected to and predict when the battery will fail.

GEM has also applied for a patent for their diagnostic and prognostic technology, James said.

Information: [www.gem-power.biz](http://www.gem-power.biz)