



## **ESS TO SHOWCASE LOW COST IRON FLOW BATTERY IDEAL FOR LONG-DURATION ENERGY STORAGE & MICROGRID APPLICATIONS AT INTERSOLAR**

*Company's simple iron chemistry delivers dramatically lower cost, higher performance, and longer operating life than other flow battery chemistries.*

**PORTLAND, OR** – July 7, 2017 – [ESS, Inc. \(ESS\)](#), a leading manufacturer of safe, low cost, and long cycle-life flow batteries for long-duration storage applications including microgrids and time-shifting renewable energy resources, will be showcasing their [All-Iron Flow Battery](#) (IFB) system at [Intersolar North America](#) (booth #8229). ESS' long duration (6+ hour) flow battery provides a cost effective innovative solution to a growing number of challenges on either side of the utility meter.

As part of the Intersolar exhibition, CEO Craig Evans will give a presentation during the [Long-Term Storage Solutions session](#), Tuesday, July 11<sup>th</sup> at 2pm, which consists of several presentations on the limitations of lithium-ion batteries, particularly when it comes to providing cost effective long-term energy storage.

“We are excited about the remarkable advantages of the simple and elegant electrolyte chemistry in our all iron flow battery,” said Craig Evans, CEO of ESS. “The IFB leads competitive technologies in low cost per kWh, maintaining capacity and performance for 20,000+ cycles, and with an environmentally friendly electrolyte delivering a 20-plus year system life, turn-key installation, and fast electrical response time.”

The company recently announced the delivery of its energy storage systems for deployment in a microgrid for the U.S. Army Corps of Engineers. In addition, ESS has systems shipping the next two months for UC San Diego, as well as a renewable energy facility in Lubbock, Texas where DNV-GL will perform third party validation on the IFB as it shifts both solar and wind power daily.

ESS is taking orders for their IFB for commercial, utility, and military customers and will soon announce steps it is taking ramping to volume production of the 50kW/400kWh IFB systems that will address both behind-the-meter, and in-front of the meter utility scale multi-MWh applications.

### **About ESS Inc.**

Established in 2011, ESS Inc. manufactures a low-cost, long-duration [All-Iron Redox Flow Battery](#) for commercial and utility-scale energy storage applications requiring 4+ hours of energy capacity and 20+ years of operational lifetime. The ESS battery allows for seamless integration of both power and energy applications with daily cycling, enabling multiple application capabilities and stacked revenue streams. By utilizing earth-abundant iron, salt, and water for the electrolyte, the Iron Flow Battery delivers an environmentally safe, low-cost, and long-life energy storage solution for the world's renewable energy infrastructure. For more information visit <http://www.essinc.com>.

#### **Company Contact:**

William Sproull  
VP Business Development  
[wrsproull@essinc.com](mailto:wrsproull@essinc.com)

#### **Media Contact:**

Jessi Lord  
Cascadian Group  
541-598-5485  
[jessi.lord@cascadiangroup.us](mailto:jessi.lord@cascadiangroup.us)