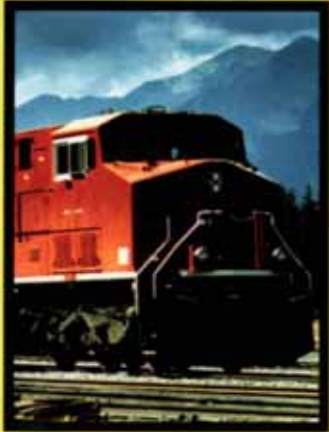


**Get peak cranking and reserve power for the full life of your  
Diesel-Electric Locomotives Batteries!**



# **CANADUS**<sup>®</sup>

High Frequency Battery Energizers



**A safe, proven and patented battery maintenance  
device that combats electrical failure.**

- Minimize starting failures costing thousands of dollars each
- Extend useful battery life by 50-100%
- Maintain peak battery voltage over the life of the battery
- Minimize battery watering frequency
- Improve specific gravity
- Eliminate sulfation problems - primary reason for locomotive battery failure

### **Patented Technology**

Canadus battery energizers use their exclusive High-Frequency Battery Energizing Technology (HFBE) to prevent and reverse sulfation, the leading cause of battery deterioration and failure. The result: far better battery performance, fewer battery replacements, and significant savings!

### **Proven Results**

Canadus battery energizers have been successfully used in a wide variety of industrial and commercial applications for over seven years. Results have been proven in independent controlled trials and operational situations. Besides significantly extending battery life, Canadus battery energizers prevent the failure of on-board computer systems and electrical components caused by chronic low voltage.

### **Easy to Install, Easy to Use**

Canadus battery energizers can be attached directly to the battery set, or to the knife switch in minutes: no special tools are required. When the battery is charging, these energizers automatically work to keep the battery plates clean.

### **Buy with Confidence**

Canadus battery energizers come with an impressive performance guarantee for first time purchasers and a 5-year full-replacement warranty.

**Technology so innovative, it's patented! US Patent No. 5,648,714.**

# CANADUS<sup>®</sup>

## Battery Energizers For Locomotives

### **How do Canadus battery energizers work?**

Canadus battery energizers are powered by the charging system. They send a high-energy current pulse through the battery, dissolving the crystallized sulfate deposits that naturally form as a battery ages. With clean grid plates, batteries perform "like new," and a healthy battery protects the entire electrical system.

### **What makes Canadus battery energizers unique?**

The effectiveness of Canadus battery energizers is due to their patented and exclusive high frequency (10,000 cycles per second) HFBE technology. This technology has been proven to dramatically improve the performance of batteries in a wide variety of applications. It is the exclusive property of Canadus Power Systems and is covered by worldwide patents.

### **Will Canadus battery energizers improve the performance of every battery?**

Canadus battery energizers can be used on any lead-acid battery and will improve the performance of nearly all of them. However, Canadus' HFBE technology cannot restore a battery that has sustained mechanical damage, such as broken grids. Mechanical damage can occur from extreme sulfation or physical abuse.

### **Who is using Canadus battery energizers?**

Canadus battery energizers are improving the performance of thousands of batteries worldwide. Your Canadus representative can provide you with an impressive list of users and testimonials.

### **How long will they last?**

Canadus battery energizers are quality manufactured under strict ISO 9002 standards, and are built to last. Each unit comes with a non-pro-rated 5-year warranty.

### **How much money can be saved?**

Save thousands of dollars per locomotive per year, depending on usage patterns, battery voltage and initial battery condition. Put a Canadus battery energizer unit on every battery and start saving today!

**The Canadus battery energizer LM Series is available  
in 32-volt and 64-volt models,  
and can be customized for other voltages.**

**Canadus Power Systems, 7333 Fair Oaks Road, Cleveland, OH 44146  
1-877-242-3100 • [info@canadus.com](mailto:info@canadus.com) • [www.canadus.com](http://www.canadus.com)**

**Canadus battery energizers *make your batteries better!***

**Exclusive Railroad Distributor:**

**ARMS Inc.**

618 Cepi Dr., Suite B, Chesterfield, MO 63005

PH: 1-636-532-1144 FX: 1-636-532-1482

[www.armspower.com](http://www.armspower.com)

