Micro Power Announces Iron Phosphate Battery for Replacement of Sealed Lead Acid Batteries

Micro Power announced IronWorks, a patent pending Iron Phosphate battery solution, which serves as a drop-in replacement for Sealed Lead Acid (SLA) batteries. Manufacturers of mobile equipment can now achieve lighter weight, longer runtime, faster charge time and longer cycle life with this new standard U1 format battery. IronWorks is based on Lithium Iron Phosphate, the safest and most environmentally friendly chemistry available on the market today.

“Recent innovations in Iron Phosphate chemistry have made it extremely competitive in markets that are weight sensitive and inconvenienced by SLA's need for frequent maintenance,” said Robin Tichy, Product Manager for IronWorks at Micro Power. “Many devices utilizing 12V batteries for mobile power, such as medical carts or computers-on-wheels (COWs), are prime targets for direct replacement of SLA batteries with IronWorks, which offers thousands of cycles, reduced maintenance time and costs, and a far lower total cost of ownership over the lifetime of a product.”

IronWorks attributes include:
• Thousands of cycles with full 100% discharge
• Zero maintenance for several years
• Fuel gauging and battery status reported via standard SMBu

• Drop-in replacement for sealed lead acid (SLA) battery
• Accepts SLA charge regimens
• Robust mechanical design
• Uncompromising safety

“Modo designs and manufactures carts for medical device companies including GE Healthcare and Boston Scientific,” said Bob Marchant, CEO for Modo. “Our clients are demanding carts with compact footprints that can be effortlessly maneuvered and serviced in the field. The IronWorks battery easily integrates with a typical Modo cart which reduces overall cart weight and increases mobility, while enabling the electronics carried on the Modo carts to run longer.”

IronWorks is available immediately from Micro Power. For more information, please visit http://www.micro-power.com/ironworks [1].

Micro Power Electronics supplies custom battery systems to the portable medical, automatic data collection, and commercial military markets. As a pioneer in the development of lithium battery systems, smart battery packs, chargers, docking stations, and power supplies, Micro Power has more than 20 years of experience developing battery solutions within its domestic and Asian production facilities. Micro Power is ISO 13485 and 9001:2008 certified.

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[1] http://www.micro-power.com/ironworks