



Reliable People ::: Reliable Products ::: Reliable Power!

Press Release

*For immediate release*

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### **Better Backup Power for Outdoor Equipment From SunWize Power a DC Load with AC Primary Power**

**Kingston, NY, February 17, 2009** – Available power supply is paramount for critical loads which must remain operational during power outages and when utility power is not available 24 hours, 7 days per week. To address this reliability requirement, SunWize developed a utility-based solution with battery backup for outdoor applications. This solution differs from traditional uninterruptible power supply (UPS) systems in that the SunWize® Power Online System is outdoor rated for environmental extremes, not a parallel power source to the utility (power is always derived from the battery, so there is zero transfer time upon loss of load), temperature compensated (batteries maintain longer life through a charging algorithm that adjusts for temperature fluctuations) and equipped with a low voltage disconnect (LVD) - the battery is protected from over discharging.

Power Online Systems provide continuous DC power with battery backup from an AC source. The weatherproof units convert AC primary power to charge a 12, 24 or 48 volts DC sealed battery bank while powering the DC load or an AC load with an inverter. These systems are ideal for applications using bank switched street lighting where utility power is only available while the lights are on at night and not at all during blackouts. The daily blackout cycle can be as long as 14 hours in summer months due to extended daylight hours. Power Online Systems ensure power is available 24 hours each day and provide up to 5 days of backup power during power outages. Upon loss of AC primary power, the battery powers the load with zero transfer time since the loads are connected to the battery bank 100% of the time.

SunWize Technologies, a subsidiary of Mitsui & Co, (U.S.A.), Inc., specializes in the design and manufacture of solar energy systems, product distribution, and associated project development. The Company operates a manufacturing and distribution facility in Kingston, NY, serving as the company headquarters, a manufacturing and distribution center in the City of Rancho Cucamonga, CA and a West Coast office in San Jose, CA. For product information, contact Charlie Bachman at [cbachman@sunwize.com](mailto:cbachman@sunwize.com) or visit our web site, [www.sunwize.com](http://www.sunwize.com).

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