



Battery Monitoring System

Cellwatch

Back-up storage



SITE 486 A

Technical advantages

- > Easy to use
- > Easy to set up
- > Trend analysis to guard against breakdowns
- > Remote monitoring
- > Remote alarm notification
- > Data acquisition
- > Analysis software
- > Lead and NiCd battery compliant
- > ATEX version available on request

The battery is a key component in the operation of a UPS

CELLWATCH is an effective battery monitoring solution which maximizes the availability of the supply in applications where power continuity is vital.

Because 75% of uninterruptible power supply (back-up power supply) system breakdowns are down to batteries, the reliability of these components is a key feature of your electrical system. Therefore, accurate, detailed monitoring of their operating condition is vital. This actually guarantees maximum continuity of the supply to the system's critical loads, loads which cannot tolerate even a brief interruption let alone a prolonged power cut.

Anticipate malfunctions

CELLWATCH is a vital tool in the continuous supply of critical systems and performs preventative battery monitoring.

This solution provides the opportunity to eliminate any unscheduled power cut due to battery failure.

Make cost savings

CELLWATCH enables you to make operating savings by:

- improving UPS uptime,
- reducing maintenance operations by 75%,
- maximizing battery return on investment,
- anticipating battery malfunctions,
- guaranteeing the safety of maintenance personnel.

Ensure the continuity and safety of the supply to critical loads

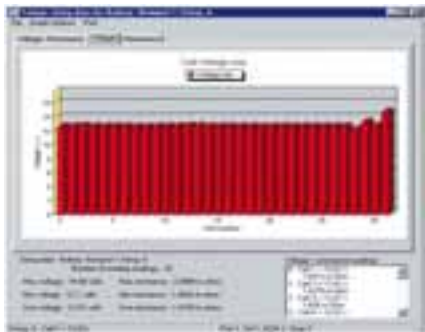
It is vital to always know the operating status of the lead acid batteries supplying critical applications. CELLWATCH ensures that these are in good condition and will work when you need them. Unlike other battery monitoring systems, CELLWATCH has been specifically designed to monitor the impedance of the different battery monoblocs every day.

By avoiding the time-consuming and potentially dangerous manual method of testing individual batteries, CELLWATCH increases the likelihood of identifying a power failure and greatly increases the safety of maintenance personnel.

Close battery monitoring

Most battery monitoring systems perform an impedance test once a week or once a month. However, a battery can fail in as little as two days. It is therefore vital that your system monitors your batteries much more frequently.

CELLWATCH has been designed to monitor the impedance of each of the battery packs or cells 24/7.



Trend analysis.

Modular design and central monitoring

CELLWATCH is the only battery monitoring system that can monitor different voltage monoblocs or different types of batteries (for example generator batteries) centrally.

CELLWATCH is the easiest battery monitoring system to install and maintain. Each data collection module automatically adjusts to 2, 4, 6, 8, 12, and 16 volt Lead or NiCd monoblocs making it much easier to install and configure the system.

The three CELLWATCH components:

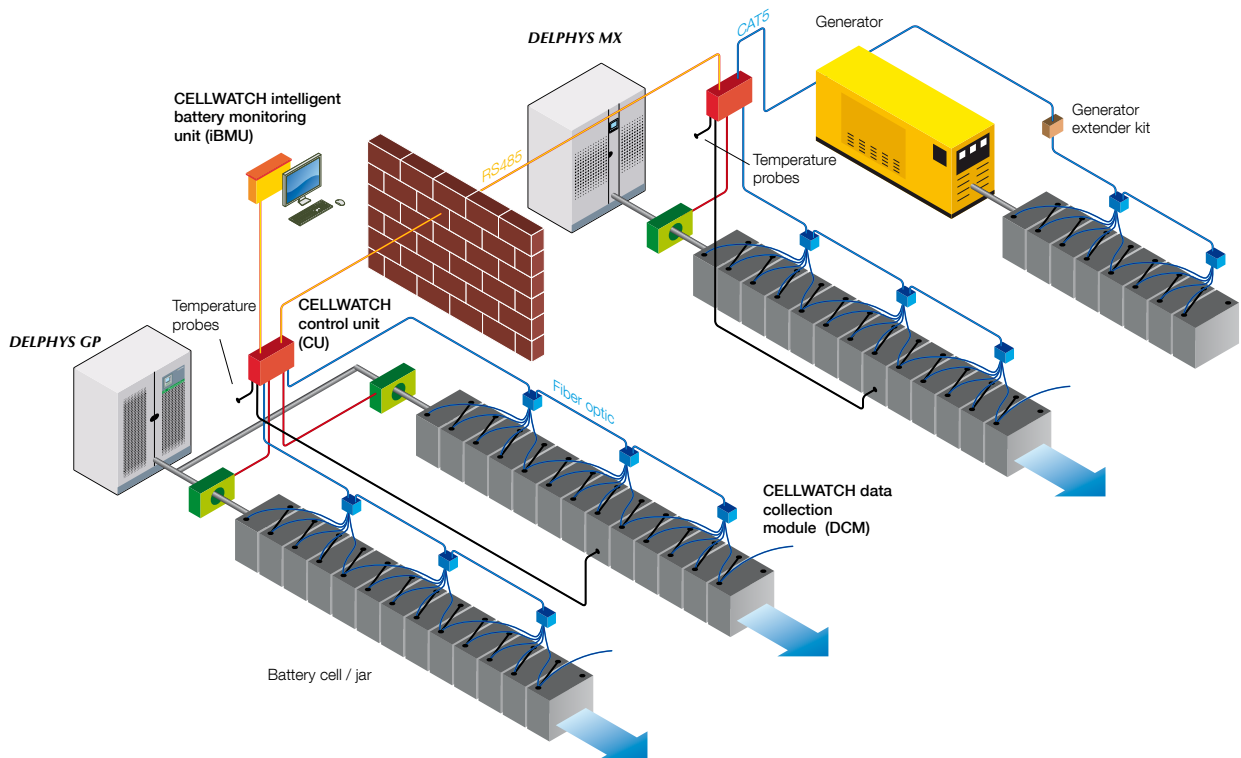
- the intelligent battery monitoring unit (iBMU),
- the control unit (CU),
- data collection modules (DCM).

Scalable and simple

Whether you want to add a battery branch, a part or a building, the CELLWATCH system offers you a vital modular system to future-proof your system.

With only three main components, expanding your system is easy. No rewiring is required and the components can even be moved to cope with your new architecture. Similarly, you can extend your system to cover your auxiliary batteries (for generator batteries, for example).

CELLWATCH can be adjusted to cope with any changes and is a flexible, permanent solution. Your return on investment is thus guaranteed.



Installation diagram of the CELLWATCH battery monitoring system

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