



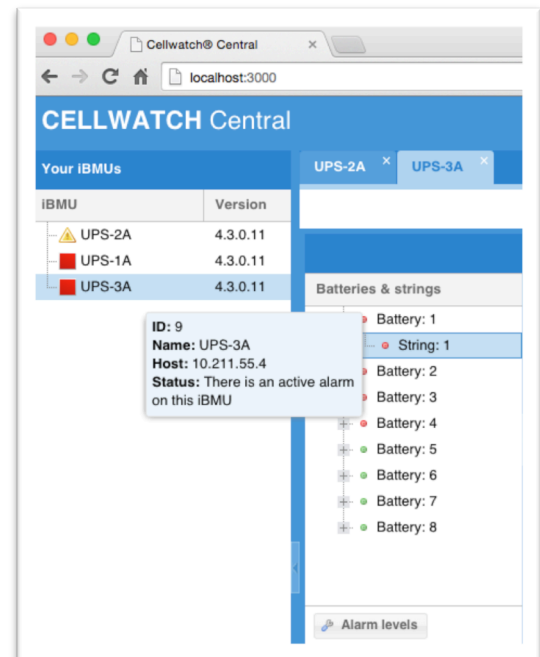
Cellwatch Central – Battery monitoring and asset management for large multi-site enterprises

Cellwatch Central is a complete battery management solution designed to simplify battery management and monitoring for large configurations and multi-site Cellwatch installations.

The larger the enterprise, the more complex data analysis and battery management can be. Cellwatch Central simplifies it all by collecting data from multiple installations and integrates all battery data and performance information—consolidating the battery management into a single centralized system.

Cellwatch Central is web-based, enabling users to log in from anywhere and have complete visibility of the entire battery network – providing real-time battery performance at each site, system control, global alarm data, battery asset details and more.

Cellwatch Central also has powerful built-in tools that help you keep track of battery installation dates, maintenance events and battery type. Now you can comprehensively manage your backup batteries with ease.



Manage all of your battery assets with one centralized system

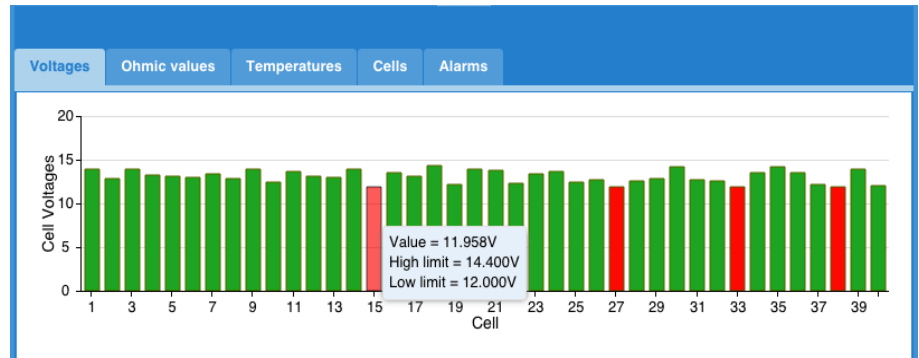
- Easily monitor and manage large campus and dispersed Cellwatch deployments
- Quickly analyze battery performance across 50,000 jars or more
- Improve decision making about your valuable battery assets
- Multiple user authentications for administration, control and observation
- Log in and simply manage all your battery assets in one place (battery type, installation dates, maintenance events)

Receive immediate alarm notification

- Cellwatch Central captures alarms within seconds of the event occurring. These include:
- Cell voltage
 - Cell ohmic value
 - Cell temperature (if equipped)
 - String temperature (i.e. ambient or pilot probes)
 - String voltage (signals overcharge conditions)
 - Discharge alarms
 - Thermal runaway conditions (if equipped)
 - Ripple voltage

View settings and measurement data for more than 50,000 cells

- Latest ohmic value
- Latest voltage
- Latest temperature (pilot and ambient)
- Latest per cell temperature (requires DCM5)
- All alarm settings
- System status



Access to system history and discharge graphs

Provides access to the history and discharge graphs stored for all batteries, strings and cells on the system.

Alarm management and reporting

The built in Data Manager Application stores all battery alarms and provides user controls so you can sort through to quickly identify issues, manage alarms, and use the data to create a customized report and plan of action. Filter by type, date, value and status of the alarm. Alarms are highlighted in red while they are active. As new alarms are generated they are available to the Data Manager within seconds so you always have an accurate view of the entire system.

Security and data protection

Cellwatch Central is designed for installation behind your corporate firewall. For protection – all system users will have an account that can be set up for varying levels of access – those who can only view data and those with the ability to control and configure systems on your network. No information will be transmitted outside of your network unless explicitly authorized.

If you have more than four IBMUs, call NDSL for more details and a product demonstration.

7.29.2015.