

CRITICAL POWER

Battery solution

ABB Power Protection



By purchasing an ABB UPS, you bought a very reliable system. Based on the excellent quality of our products – assured by Six Sigma processes – you rightly expect a system that will work for many years without problems.

ABB knows how important your stored energy is. We therefore offer professional services to check your battery, its interconnections and its operational conditions. Not only can a failure in one block jeopardize a whole battery system, but high ambient temperatures dramatically reduce your battery's lifetime. The tests will help you to take the right decisions to keep your system at peak readiness.

ABB also provides a battery monitoring solution with the latest technology that continuously monitors battery performance and critical parameters like voltage and impedance. This solution provides 24/7 alarm notification.

Battery replacement

Batteries have a limited lifecycle, so after some years of operation, your batteries will need to be changed. Because of the special nature of UPS battery systems, it is important that the replacement is done professionally. ABB provides a complete solution for replacing battery banks.

Benefits

Status information

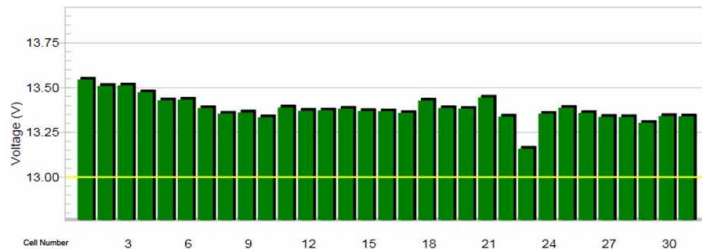
- Actual information on battery and ambient conditions
- No need to stop using the UPS out of operation or discharge batteries
- Professional reports for all your battery's parameters
- Printed charts to visually compare each battery block

Predictive information

- Measurements taken over a number of months/ years will show the long-term reliability trend
- Predict the battery system's life expectancy

Peace of mind

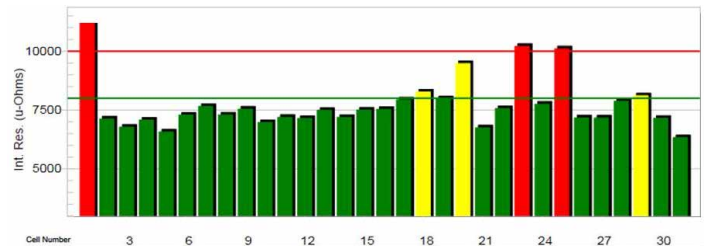
- Maximum performance and availability for battery systems
- Clear information on budgeting for battery replacement to avoid surprises.



01

01 Cell voltage

02 Internal resistance



02

Features

Your battery is a complex electrochemical energy storage system. A number of variables affect a battery system's performance, reliability and service life. Today, most batteries are 'maintenance-free' and sealed for life. Internal parts and the electrolyte are no longer accessible for inspection and testing.

The conductance of a battery is a reliable indication of its condition and therefore its ability to deliver energy when it's actually needed. Conductance measurement during regular maintenance can be used to predict cell defects, shorts, aging and open circuits, which can cause the failure of the battery.

To reduce other stress factors which may cause the accelerated aging of your batteries, we can offer a further analysis of ambient conditions and AC components in your DC output.

Contact us:
For more information, email us at service-ups@abb.com and visit us on the web at new.abb.com/contact-centers