Battery Monitor
BI-Smart-100

The BatteryInformer®
A Battery State of Health Indicator (SOHi™)

Smart-100: Stand-Alone Battery Monitor?

For many years, battery users have wanted to know when their batteries were about to fail and when they were at risk with their backup battery systems.

The BatteryInformer® is up to 43% more accurate!

It is recognized around the world and by IEEE that Ohmic test readings give a highly accurate indication of the state-of-health of a battery. The key to high reliability in Ohmic testing is having an accurate baseline value, true Ohmic reading from the battery and the knowledge to analyze the data. The BatteryInformer solves the inaccuracy problem of field-testing and allows you to measure to the accuracy you expect.

The Smart-100 standalone monitor is connected 24/7 to the positive and negative terminal of the battery and accurately measures the battery’s health status. The BatteryInformer™ is smart and self-learning. Over a period of weeks it self-learns the individual battery’s Ohmic baseline. No more estimates of what the baseline might be, thereby increasing reliability by as much as 23%. Every minute the BatteryInformer™ measures the internal resistance and trends the changes against the individual battery’s baseline. Based on IEEE recommendation the device indicates with a flashing red light when the battery’s state-of-health is in “warning” or “fail”. It also displays the voltage and the Ohmic value. (Connectivity and alarming are available in the Smart 500 model)

It is highly accurate. The testing of the battery is automated so the technician does not perform a test, increasing accuracy by as much as 13%. When a technician or maintenance person looks at the BatteryInformer™ they will know instantly if the batteries are going to perform as expected or need replacing.

The BatteryInformer is cost effective and allows for fixed cost over a 10-15 year period. No more escalation of testing costs due to increases in labor or fuel costs.

Features:
♦ Unique baseline for each battery jar
♦ IEEE proven Ohmic testing
♦ Temperature compensation
♦ Red-LED indicator
♦ Easy to install
♦ Wide operating temperature
♦ Re-usable with replacement batteries

Benefits of using the BatteryInformer™:
- 23% more reliable due to accuracy of the baseline
- 13% more accurate due to elimination of technician error
- 7% more precise due to automated analysis
- 51 times better when testing quarterly
- Fixed cost versus escalating service cost over 10-15 years

“The BatteryInformer is inexpensive, extremely accurate and gives me peace of mind that my back-up power systems will work when needed, eliminating my false sense of security.”