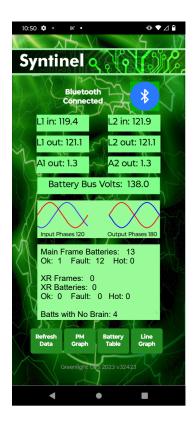
# Symmetra LX Preventive Maintenance Report

# page 2: Screen Shots from Syntinel



#### Comments:

The Syntinel LX is tool that monitors the health of the modules on your Symmetra. On the left, is the summary screen. It shows the unit's key conditions:

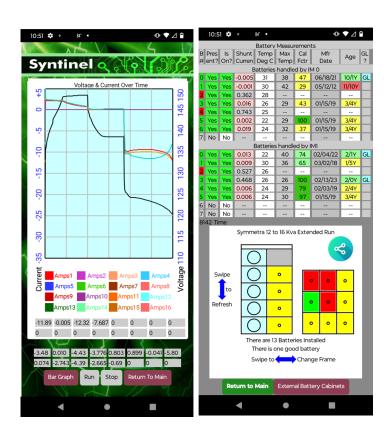
Input **208v** power and output **240v** power **AS EXPECTED**Load amperage of 1.3amps is **BALANCED**13 total batteries installed - **12 FAULTS**5 total power modules installed - **NO FAULTS** 

## **Battery Tests/Faults:**

The Syntinel LX was hooked up the Symmetra and a Self test was performed. See Image 2

Image 2 shows the datalogging graph of the 13 batteries during a quick discharge test.

Notice that most of the batteries quickly begin to drop in voltage during the test.



Within 3 minutes (halfway on the graph) most of the batteries have lost more than 20% of their voltage.

Image 3 Summaries the battery health. Notice that the Symmetra has batteries ranging from 1year to 10 years old.

The Calfactor (or Battery lifetime meter) suggests many of the batteries have had deep discharges over their lifetime.

2 batteries don't seem to have any health information because they are likely not APC or Syintelligent batteries

### Conclusion:

Due to the age, fault status and short runtime available. We recommend replacing the batteries.