

To: LFEVY42016 Team
From: Geoff Nudge
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Subject: QAR001e - Low Current Output

Abstract

This QA test involves charging and discharging through a port dedicated to low current.

Technical Findings

The accumulator was able to charge and discharge through the Anderson port. For more information, see QAR001a: Charge Algorithm and the acceptance test data:

<https://sites.lafayette.edu/ece492-sp16/files/2016/05/QAR001a.pdf>

https://sites.lafayette.edu/ece492-sp16/files/2016/05/AcceptanceTestData_TSV.zip

Recommendations and Conclusions

ATP lists the follow with regards to low current output:

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1. Apply load to draw 20 A.
2. Test Charging functionality.

This functionality was tested successfully. No further work is needed and the output/charge capability satisfied acceptance tests.