

ENTERPRISE MOBILITY CASE STUDY



The Implications of High Load Applications in the Automotive Environment for the Samsung Galaxy Tab Active2

OVERVIEW

- Extensive in vehicle testing of Strike's Alpha cradle with a Samsung Galaxy Tab Active2 to ensure the device holds charge whilst multiple applications are in operation.
- To determine the correct amp rating required to hold charge whilst the device is under full load.

ROAD TEST

We loaded up as many power-hungry applications as we could to test the power capability:

- Samsung Galaxy Tab Active2 is on with non-adaptive full-brightness and drawing full power to the screen.
- Turn-by-turn navigation via GPS in the background.
- A2DP streaming via Bluetooth to the car stereo.
- Turned on full screen YouTube viewing over Wi-Fi.

THE RESULT

- ✓ The Samsung Galaxy Tab Active2 device **gained 3%** in battery capacity every 10 minutes.
- ✓ The superior charging is due to the **3amp charger** that Strike has developed using **POGO** pins.
- ✓ In conclusion we determined that using a charger with an amp rating less than 3 amps, risks the device not holding charge under full load, thus resulting in battery drain.

[WATCH POWER ROAD TEST VIDEO](#)