Supercapacitor experiments

Greencap 16V 83F (6x 2.7V 500F)

Each cap can handle 2.7V long term, 2.85V short term

Self discharge current is expected to stabilize at relatively low value after 100 hours of being charged.

- Absorbtion current (initial)
- Leakage current (constant)

Balancer discharges overcharged caps through 1 ohm resistor set once they reach 2.8 - 2.85 V

Replacing lead acid battery with supercapacitor

- UPS (replaced 12V 7Ah)
  - 8W LED was running for over 5 minutes
  - 100W incadescent bulb was running for 30 seconds
- Piaggio scooter (replaced 12V 10Ah AGM)
  - Charges to 14.4V (in ~1 minute)
  - After sitting for 9 hours voltage drops to 12.2V (cranks up)
  - After sitting for 15 hours voltage drops to 11.2V (cranks up)
  - At 8V (cannot crank up)