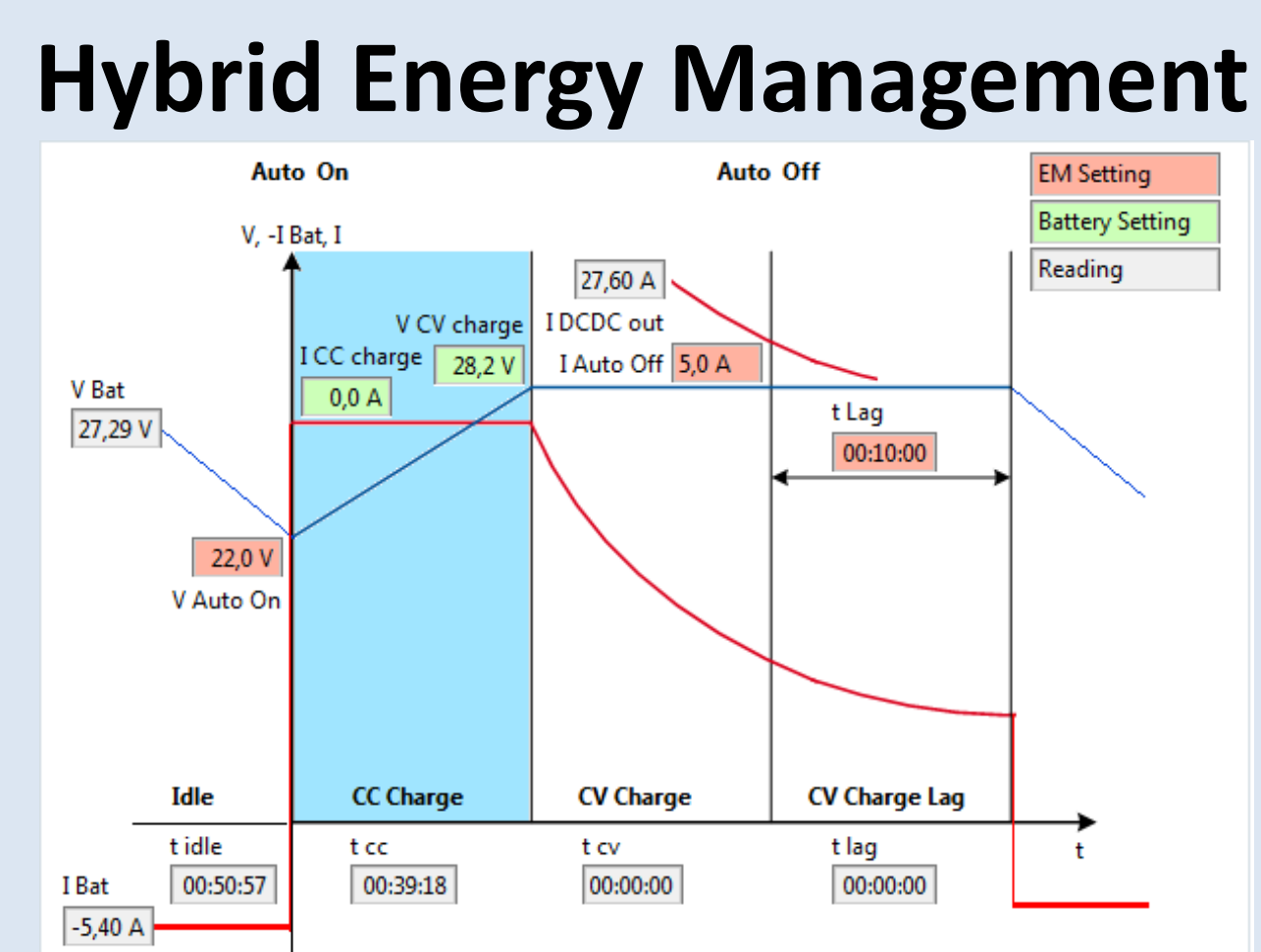
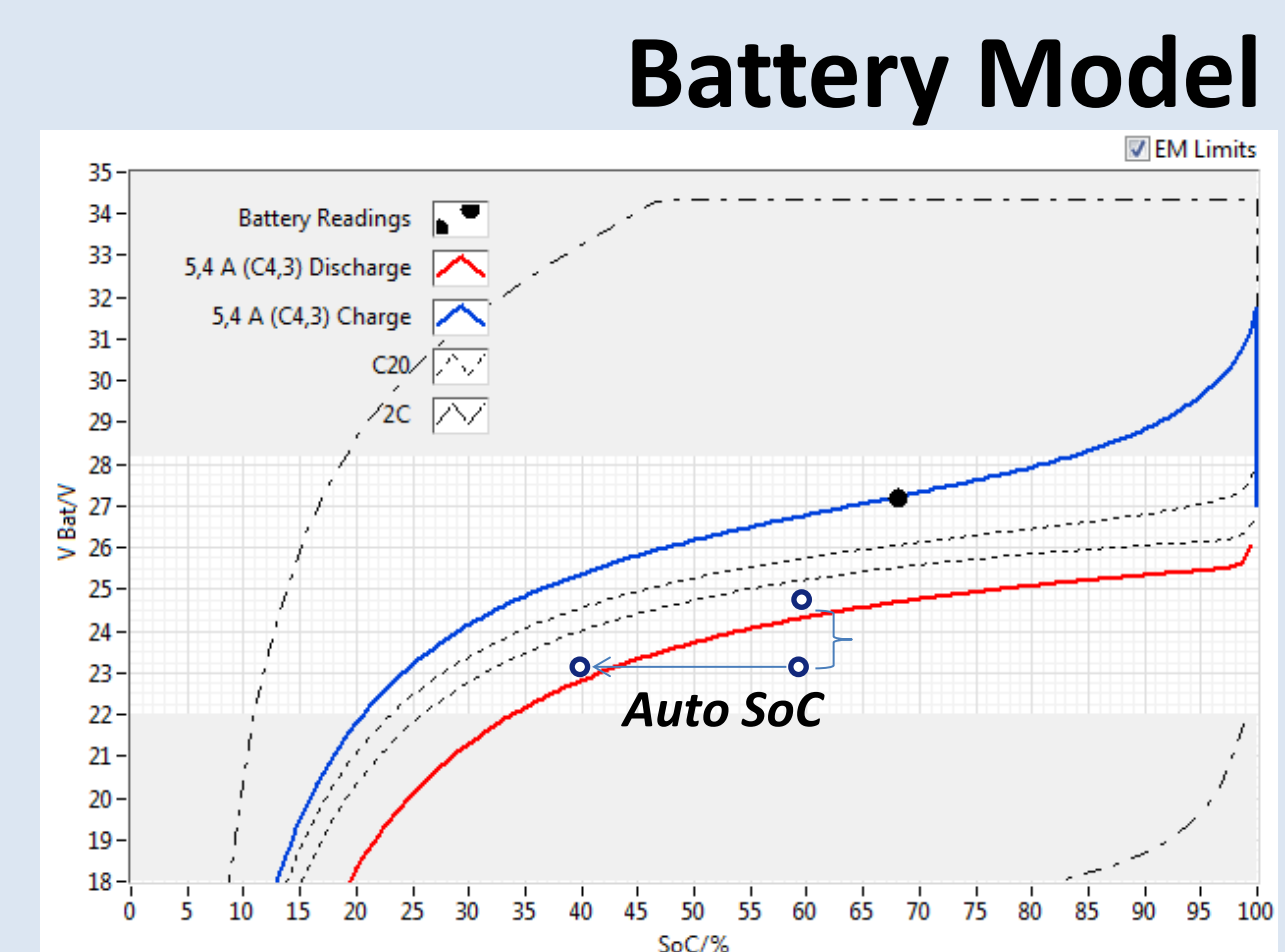
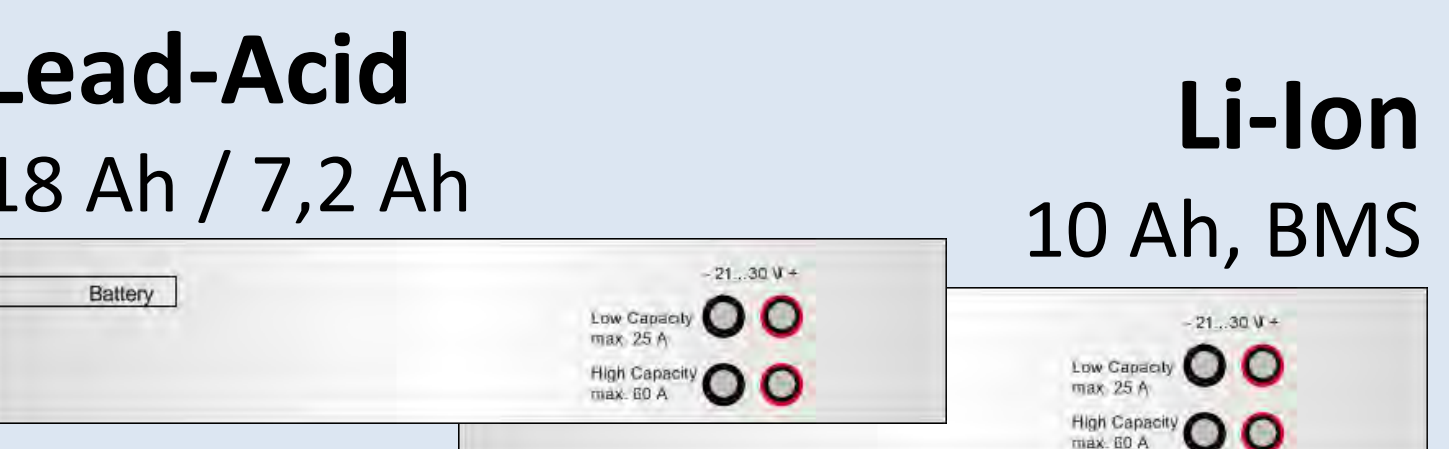


Heliocentris
Academia Internacional

- Electrochemical components
 - Fuel cells
 - Batteries
- System use cases:
 - High efficiency autarchy solutions
 - Range extender, charge management
 - Bus or grid stabilization
 - Uninterruptable power supply (UPS)
- Control strategies:
 - Battery cycling
 - Set-point for SoC (state-of-charge)
- Dimensioning and optimization:
 - Temporal source and load profiles
 - Power: generator, battery (charge and discharge)
 - Energy: battery capacity
 - Total cost of ownership (TCO)

1. Observation and measurement of component or system response
2. Use of models and curve fitting for quantitative description
3. Application and prediction in real-life use cases



Fuel Cell Module Nexa® 1200
Air-cooled PEM Stack, 36 Cells, 1200 W

