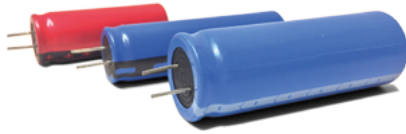


# CARBON BASED POWER CAPACITORS



www.kurt.energy 

Hybrid vehicles application



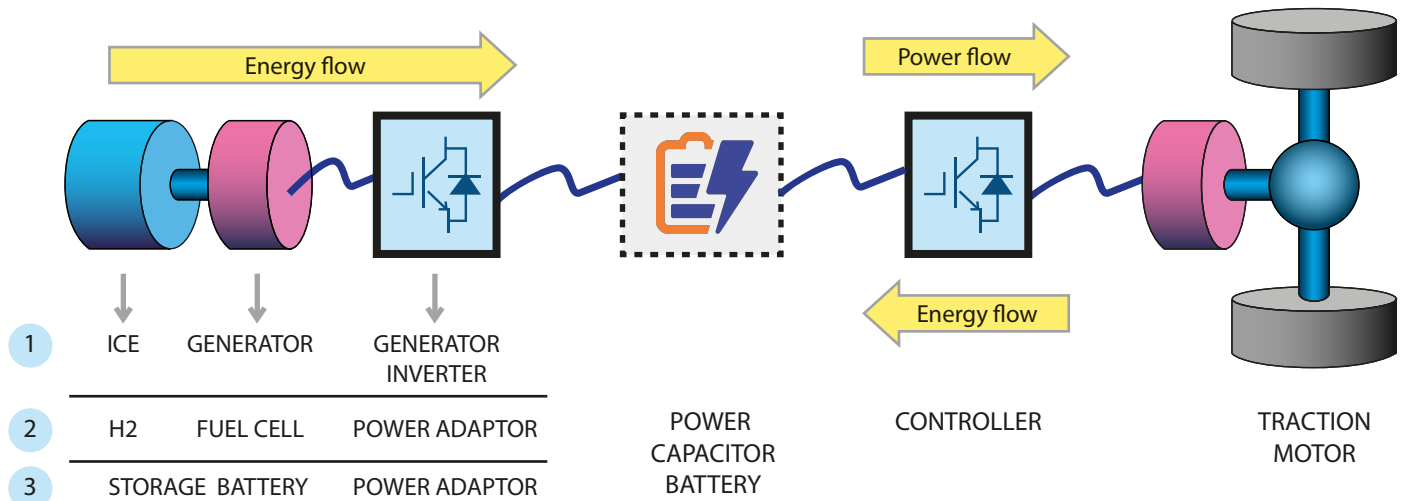
Extreme temperature, lifetime and power requirements



## Game changing carbon based hybrid powercapacitors for electric and hybrid vehicles

Kurt.energy develops "battery packs" with a novel type of hybrid carbon based powercapacitors. With an energy density comparable with lithium-ion batteries but with the power capabilities of classical lithium supercapacitors.

- Long lifetime (10 years or > 20000 cycles),
- Operates at extreme temperatures (-40 to +80 °C)
- Very safe (no risk of thermal runaway)
- No elaborate BMS needed
- No active cooling needed
- No complexity and no overhead weight
- Very robust, resilient batteries
- Typical use: heavy propulsions, ideal for hybrid drives
- Capable of sustained 10C to 20C with a smaller battery
- A 50 kWh battery can behave like a 500 kWh battery



 Kurt.energy  
A division of  
Altreonic NV

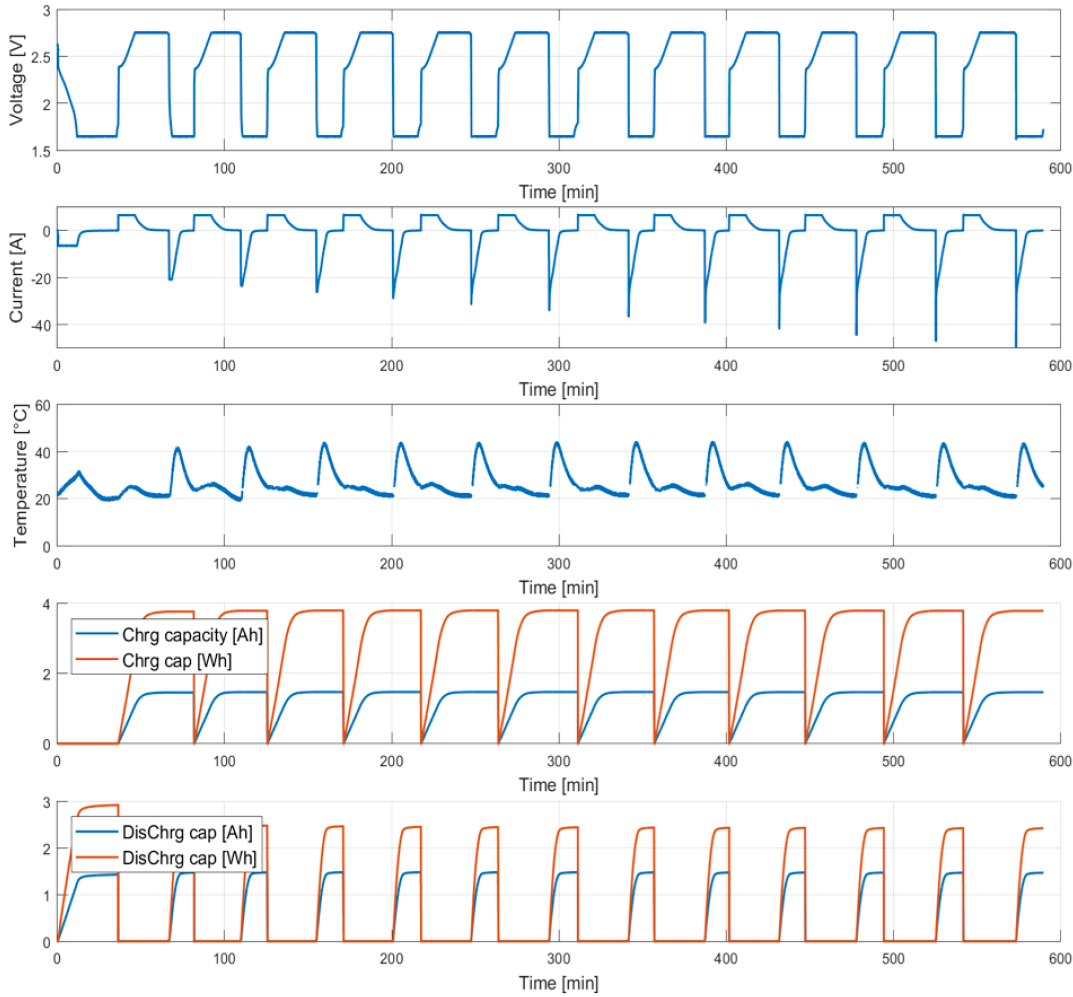


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ENERGY FOR LIFE. BLUE CELL POWER



Charging at 5C  
in 5 minutes  
to 75%

Discharging from  
16C (20.8 A) upto  
38C (49.4 A)

Temperature  
peaks at 42°C,  
remains below  
40°C upto 16C

Charge  
capacity  
unaffected

