

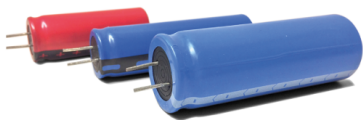


## Future Battery Forum Berlin 2021

### Energy for Life, Blue Cell Power

15 - 16 November 2021 | ECC Berlin + online

#### CARBON BASED POWER CAPACITORS

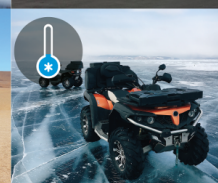


[www.kurt.energy](http://www.kurt.energy)

Hybrid  
vehicles  
application



Extreme  
temperature,  
lifetime  
and power  
requirements



Power, safety and lifetime like a supercap.



Lithium-ion battery cells	Hybrid Carbon-based Power Capacitors
Fire risk	<b>NO fire risk</b>
Complex to use	<b>Simple and robust; NO BMS needed</b>
Active cooling/heating	<b>NO need for active thermal management</b>
Short time limited power	<b>Sustained high power capability (up to 20x)</b>
Energy, 60 to 80 % usable	<b>Energy, 100% usable</b>
Limited temperature range	<b>Works from -40°C to +80°C</b>
Fast charging is problematic	<b>Fast charging in 5-10 min</b>
Lifetime too short	<b>1 million km or 20 years and more</b>
Sustainable?	<b>10 to 20X lower environmental footprint</b>
Cost efficient	<b>Lowest cycle life cost</b>
Many announcements	<b>In production since 2 years</b>

# Register for our new on-line Battery Builder (a powercapacitor battery load simulator)



Altreonic-Kurt.energy's in-house developed Battery Builder has proven to be a very helpful tool for configuring a power capacitor battery before it is actually built. With as input a load profile and a selected reference battery, we can simulate the battery load over the given profile and deduct calendar lifetime parameters taking into account the actual load, the temperature profile, and how the battery will be used.

Kurt.energy is now releasing it as an on-line version that registered developers can use to submit their own load profile. The simulator is accessed through a standard browser. Each registered user will have its own private repository for his projects with the output generated in a pdf file.

To apply the simulator to your specific application, contact us and become a beta-user. Candidates will receive an invitation code.

Register here: [kurt.energy request and contact page](#)

For more information, visit <https://kurt.energy/power-capacitor-battery-load-simulator/>

