Li-Ion Capacitor UPS

Powerful and reliable solution for applications requiring short back-up times

Lithium-Ion capacitor module

Lithium-Ion capacitor cells

Power outages lasting a few seconds to several minutes may cause damage, loss in production and cost increases to applications and processes sensitive to short duration downtime.

To ensure the optimum availability and a long-life cycle for batteries, the power supply has to be protected by a powerful UPS back-up storage solution with:

- Very short recharging time.
- Low maintenance.
- Constant monitoring.

LI-ION CAPACITOR UPS is the innovative UPS back-up storage solution specifically designed to protect:

- Applications requiring back-up times of a few seconds to several minutes.
- Processes sensitive to frequent micro interruptions.
- Applications working in critical environments where hazardous substances are not allowed.
- Applications with severe ambient conditions.

Maximum availability

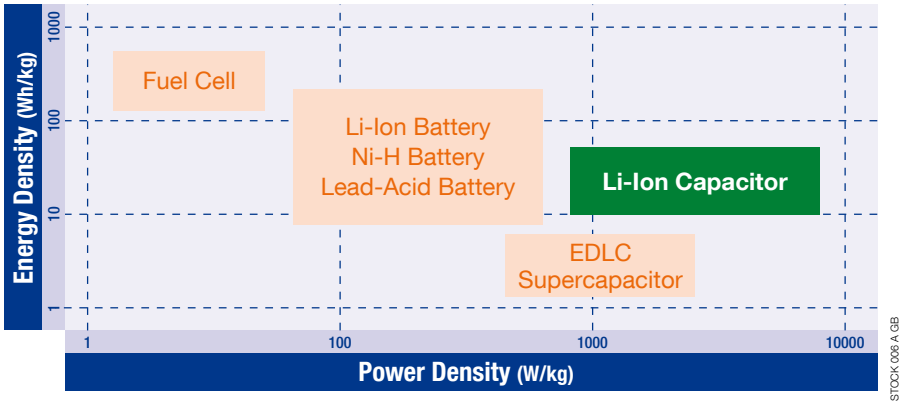
- Ultra-fast recharge.
- Ensured scalability for capacity or redundancy.
- Fire-safe construction.

Extreme reliability

- Optimum performance in all critical operating conditions.
- Ageing-free in any frequent process micro interruption.
- Wide operating temperature range.
- Embedded cell-to-cell monitoring.

Cost-effective solution

- Ultra-high power density in a reduced footprint.
- 15+ years' service life.
- Easy and extremely low maintenance.



Bridging the gap between batteries and supercapacitors.

The solution for

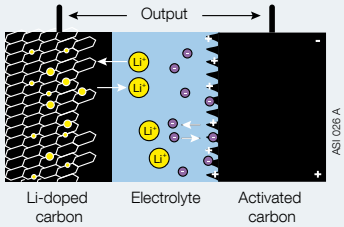
- Data centres
- IT infrastructures
- Industrial processes

Attestations

MADE IN EUROPE

LI-ION CAPACITOR UPS is designed and developed in Europe by Socomec in partnership with JSR, Japanese leader in materials innovation.

Lithium-ion capacitors: operating principle



- The activated carbon is a capacitor cathode
- The Li-doped carbon anode is a battery anode, undergoing Li doping during charge and de-doping during discharge
- Hybrid construction creates a capacitor which yields the best performance features of batteries and capacitors

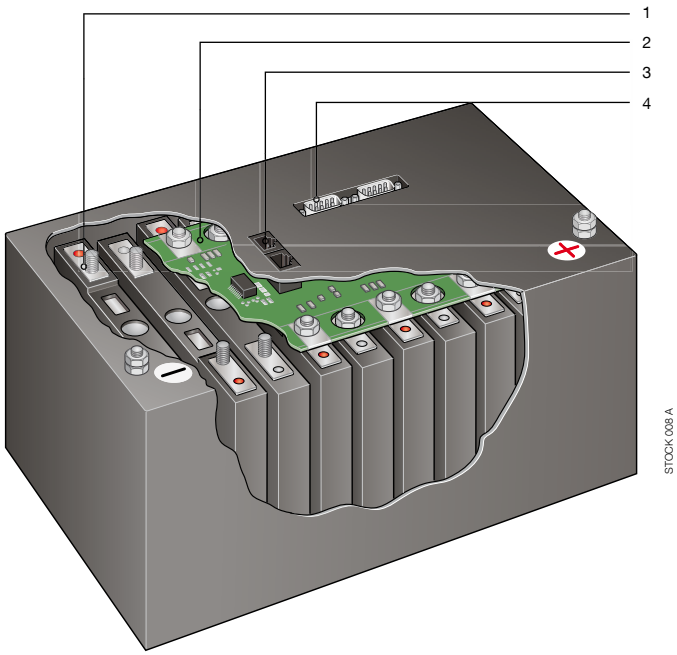
High sustainability

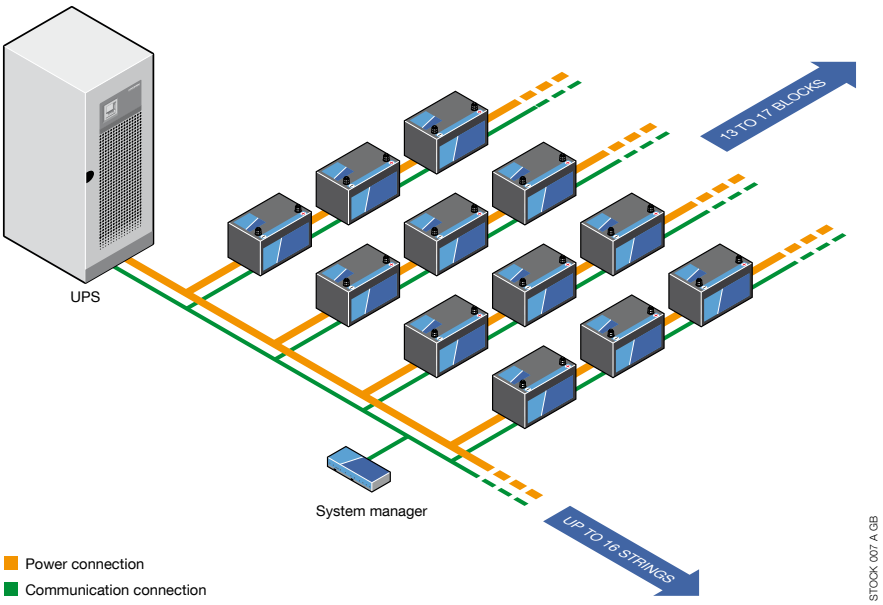
Socomec is committed to developing solutions that reduce the environmental impact from the design stage and throughout their entire life cycle.

LI-ION CAPACITOR UPS is the latest solution designed for helping environmental sustainability:

- Safe, low-toxic materials
- REACH/RoHS compliant materials
- No gas emission
- No risk of acid leakage.

socomec Innovative Power Solutions



1. Lithium-Ion capacitor cells
2. Control and communication board
3. RJ45 interface for battery blocks communication
4. RS485 interface for battery strings communication

High modularity and granularity