

# Li-Ion Capacitor UPS

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



Lithium-Ion capacitor module



Lithium-Ion capacitor cells

## The solution for

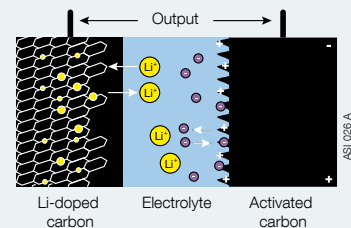
- > Data centres
- > IT infrastructures
- > Industrial processes

## Attestations



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.

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.

## Maximum availability

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

## Extreme reliability

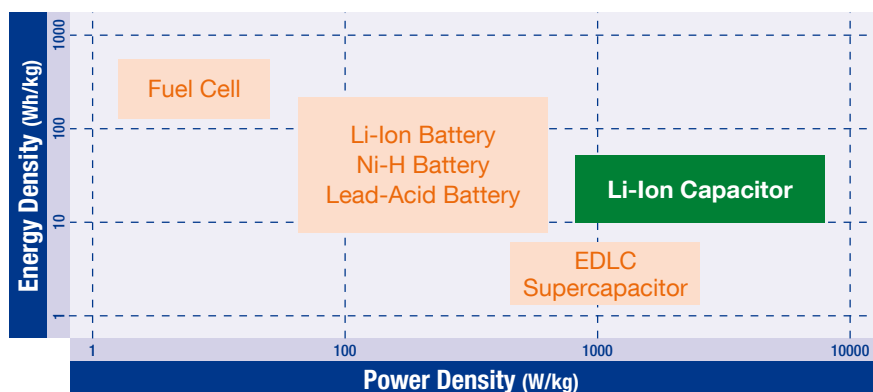
- Optimum performance in all critical operating conditions.
- Ageing-free in any frequent process micro interruption.
- Wide operating temperature range.
- Embedded cell-to-cell monitoring.

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.

## Cost-effective solution

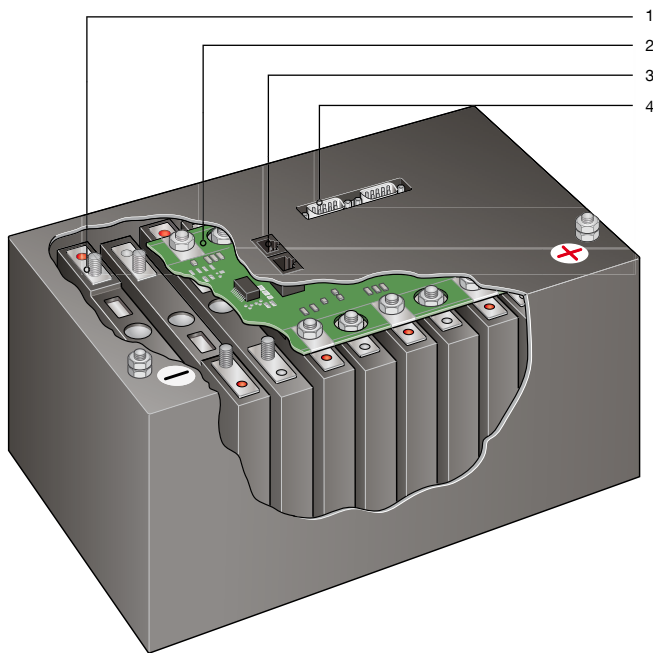
- Ultra-high power density in a reduced footprint.
- 15+ years' service life.
- Easy and extremely low maintenance.



Bridging the gap between batteries and supercapacitors.

# Li-Ion Capacitor UPS

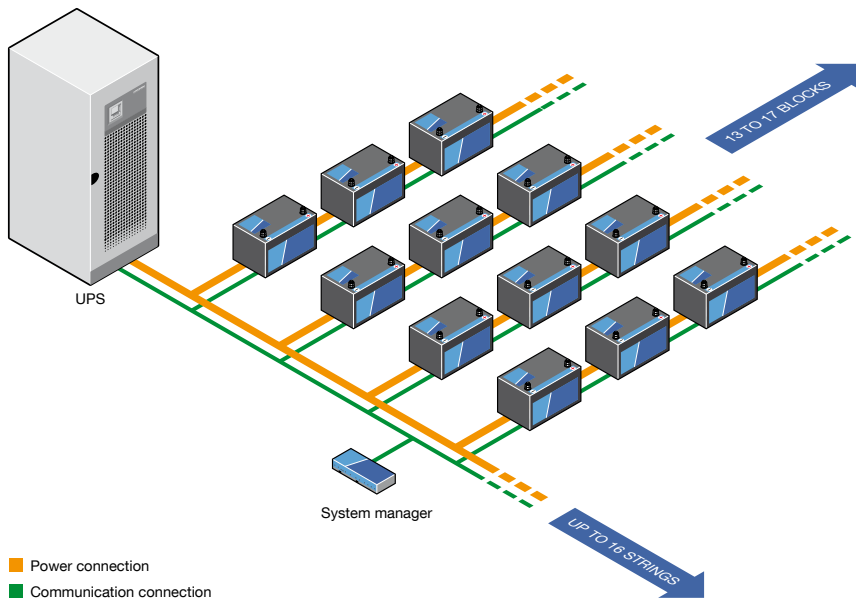
Powerful and reliable solution for applications requiring short back-up times



STOCK 008 A

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



STOCK 007 A GB