

# Intensium® Flex systems



## High Power and Medium Power performance for UPS systems

Intensium® Flex has been designed to suit the various power and energy requirements of a wide range of stationary backup applications, including high power UPS and DC power installations in confined spaces.

### Modular and flexible system

Modular design based on the Synerion® M and/or Synerion® P modules provides complete flexibility to adapt the battery configuration to suit:

- system voltages from 24 V to 860 V
- float or cycling application
- discharge times from 1 second to 1 hour

This modular approach enables the battery system to be configured through serial or serial/parallel connection to deliver power levels of up to hundreds of kW in a single functional unit - the Intensium® Flex system.

### Integrated system

Intensium® Flex integrates battery management, temperature management and safety functions, as well as power management and power conversion facilities, within a stand-alone rack-mountable battery system. Saft's experts can also provide system qualification and pre-testing services at the early stages of your project, as well as delivering turnkey installations and commissioning services.



*Intensium® Flex – Rack-mount lithium-ion battery systems incorporating Synerion® modules*

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# Intensium® Flex

## Intensium® Flex main features

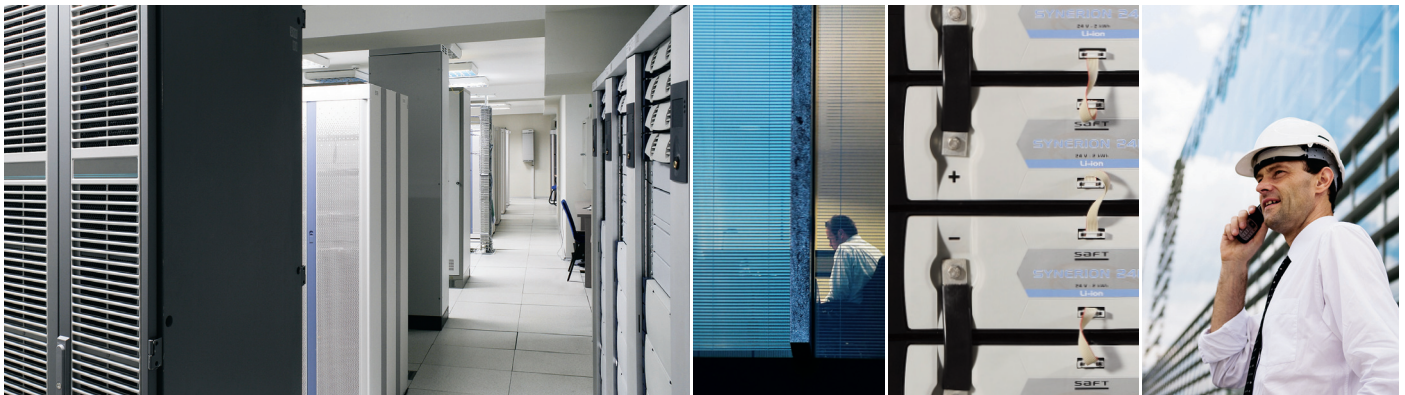
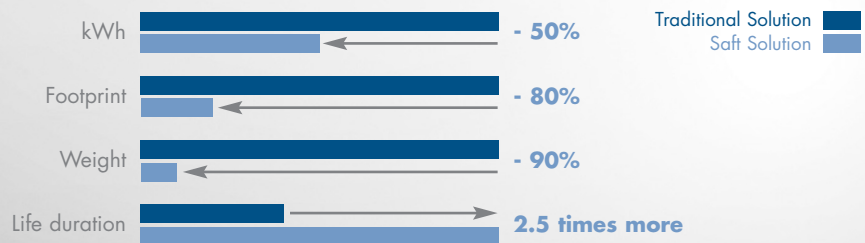
- Designed to ensure complete equipment flexibility for system voltage and capacity, with just one unique control module per string
- Battery performance optimized for:
  - high discharge characteristics (1 to 15 min with Synerion® P modules)
  - medium discharge characteristics (15 min to 1 hour with Synerion® M modules)
- 19" rack mounted ETSI format
- Compact module integrating:
  - VL P Li-on cells for Synerion® P (High power) modules
  - VL M Li-on cells for Synerion® M (Medium power) modules
- 20 years design life
- State of charge (SOC) and state of health (SOH) indication through the BMM (Battery Management Module)

## Li-ion: the right choice for high power UPS systems

Saft has over 15 years of experience using lithium-ion technology in a very wide range of industrial applications. Our Li-ion batteries offer many valuable features, including:

- high power capability both in charge and discharge
- excellent cycling capability
- high round-trip efficiency (better than 95%)
- high charge retention
- long floating life (20 years)
- maintenance-free and self-diagnosing
- lower environmental footprint than other technologies

### Intensium® Flex main benefits



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