

250/500 kW battery system

Compact energy storage for laser systems

Saft's scalable energy storage system is designed to power high pulse power applications requiring very fast discharge from the battery system

Saft's 250 kW energy storage system is based on 8 modules of 12 very high power Li-ion cells. The 250 kW system is a building block for high power 500 kW, 750 kW and up systems with independent 250 kW outputs. Ideal for use in applications that require very high pulse power such as directed energy applications.

Saft supplies complete energy storage systems customized as needed to meet customer specifications.

Benefits

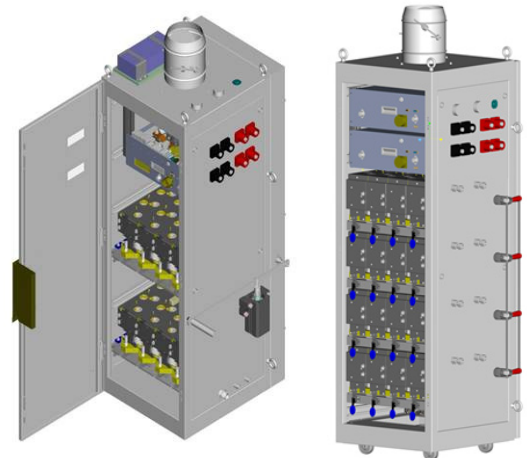
- Utilizes a modified "off the shelf" NEMA 12-rack
- Very high power
- Flexible for 250 kW or 500 kW system
- Compact design
- Low life cycle costs
- Long life
 - 1,000 cycles at 100% DoD
 - 30,000 cycles at 25% DoD
- Reliable and safe

Key features

- Safety interlocks
- Stand-alone PC/GUI
- Liquid-to-air heat exchanger
- Optional CO2 based fire suppression
- Auxillary charger enclosure

Typical applications

- Directed energy
- Laser weapons
- Defense
- High pulse power applications



250 kW battery

500 kW battery

Electrical characteristics	250 kW building block system
Nominal voltage at 50% SOC	345 V
Charge limit	394 V
Discharge limit	260 V
Power	250 kW
Energy	8,000 Wh
Mechanical characteristics	250 kW / 500 kW
Weight	500 lbs / 800 lbs
Volume	19 cu ft

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