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
- Auxiliary charger enclosure

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

### Electrical characteristics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>250 kW building block system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal voltage at 50% SOC</td>
<td>345 V</td>
</tr>
<tr>
<td>Charge limit</td>
<td>394 V</td>
</tr>
<tr>
<td>Discharge limit</td>
<td>260 V</td>
</tr>
<tr>
<td>Power</td>
<td>250 kW</td>
</tr>
<tr>
<td>Energy</td>
<td>8,000 Wh</td>
</tr>
</tbody>
</table>

### Mechanical characteristics
- 250 kW / 500 kW
- Weight: 500 lbs / 800 lbs
- Volume: 19 cu ft