

## SAFT LS14500 Lithium Battery AA 3.6V – Industrial Long-Life Power Solution

The **SAFT LS14500 Lithium Battery AA 3.6V** is a high-performance industrial lithium battery designed to deliver long-lasting, stable power for professional and industrial applications. Manufactured by **SAFT**, a globally trusted brand in industrial battery technology, this battery is engineered to operate reliably in demanding environments where conventional batteries fail.

With its **Lithium Thionyl Chloride (Li-SOCl<sub>2</sub>)** chemistry, the LS14500 offers exceptional energy density, ultra-low self-discharge, and extended operational life, making it an ideal power source for critical devices that require continuous, maintenance-free operation.

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AA 3.6V[/caption]

SAFT LS14500 Lithium Battery

### High-Energy Lithium Technology

The SAFT LS14500 uses **lithium thionyl chloride chemistry**, known for its superior energy density and voltage stability. This technology allows the battery to provide a **nominal voltage of 3.6V** throughout most of its discharge cycle, ensuring consistent device performance over long periods.

Lithium thionyl chloride batteries are widely used in industrial and professional electronics due to their reliability and longevity.

Learn more about this battery chemistry here:

[https://en.wikipedia.org/wiki/Lithium\\_thionyl\\_chloride\\_battery](https://en.wikipedia.org/wiki/Lithium_thionyl_chloride_battery)

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### Long Service Life & Low Self-Discharge

One of the most important advantages of the SAFT LS14500 is its **extremely low self-discharge rate**, typically less than 1% per year at room temperature. This allows the battery to be stored for long periods without significant loss of capacity.

Thanks to this characteristic, the battery offers a **service life of up to 10 years or more** in low-drain applications, making it ideal for devices that are difficult to access or require long-term reliability.

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### Stable 3.6V Output

The battery delivers a **stable 3.6V output**, which is essential for sensitive electronics such as sensors, memory backup systems, and industrial controllers. Voltage stability ensures accurate operation and reduces the risk of malfunction caused by voltage drops.

This makes the LS14500 suitable for applications that demand consistent power without fluctuations.

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### Industrial-Grade Reliability

Designed for harsh environments, the SAFT LS14500 performs reliably across a wide temperature range, typically from **-60°C to +85°C**. This makes it suitable for outdoor installations, industrial facilities, and remote monitoring systems.

Its robust construction and leak-resistant design ensure safe operation even under extreme conditions.

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### Wide Range of Applications

The SAFT LS14500 Lithium Battery is commonly used in:

- Utility and smart meters

- Industrial sensors and data loggers
- PLC memory backup systems
- Alarm and security devices
- Medical and laboratory equipment
- GPS tracking devices
- IoT and remote monitoring systems

These applications rely on stable, long-term power where battery replacement is costly or inconvenient.

For more information about AA battery standards, visit:

[https://en.wikipedia.org/wiki/AA\\_battery](https://en.wikipedia.org/wiki/AA_battery)

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### **Maintenance-Free Operation**

Because of its long lifespan and low self-discharge, this battery enables **maintenance-free operation** for years. This reduces downtime, service costs, and labor associated with frequent battery replacement.

It is especially valuable in industrial systems where uninterrupted operation is critical.

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### **Trusted SAFT Quality**

SAFT is a globally recognized manufacturer specializing in high-performance industrial batteries. The LS series is widely used in mission-critical systems worldwide, ensuring confidence in quality, safety, and performance.

Learn more about SAFT as a manufacturer here:

[https://en.wikipedia.org/wiki/Saft\\_\(company\)](https://en.wikipedia.org/wiki/Saft_(company))

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### **Why Choose SAFT LS14500 3.6V Battery?**

- 3.6V stable lithium output
- Long operational life
- Ultra-low self-discharge

- Industrial-grade reliability
- Wide operating temperature range
- Ideal for critical and professional applications

The **SAFT LS14500 Lithium Battery AA 3.6V** is a dependable energy solution for professionals who require long-lasting, stable, and maintenance-free power. Its proven performance makes it a preferred choice in industrial, commercial, and technical environments.