



Perfectly adapted. Our high-performance energy systems for every UPS requirement.

- ➔ Unrivalled choice
- ➔ Available at short notice
- ➔ Exceptional value for money



LiBrick UP10

Power failure simply not an option for you?



In a highly digitised world, data centres, hospitals and industrial plants are dependent on an infallible power supply. Network instabilities, voltage fluctuations or power failures can occur at any time with serious consequences for people, data and operational safety.

➔ **A UPS protects, but only with the right battery**
UPS systems safeguard operations within milliseconds of a power failure, but their reliability hinges on the quality of the batteries used.

➔ **Battery-Kutter makes all the difference**
We ensure that UPS batteries are reliable in their operation. Homogenisation in the factory, matched blocks and an exceptionally wide range deliver technically optimised, cost-effective battery systems.



35 years of experience

We have run our family business since 1989, now led by the second generation.



Impressive track record

Our quality has earned the trust of over 5,000 customers across all sectors.



International expertise

400 employees together with our sister company Wamtechnik in Poland.



Exceptional guidance

We focus on the optimal solution for our customers.



Maximum quality

Certified to EN ISO 9001 and EN ISO 14001.



We meet top industrial standards

OEM quality, VdS certifications and UPS industrial standards are second nature to us.



High availability

Needs-based stocks ensure prompt delivery and minimum downtimes.



Technical precision

Maximum system stability and a long service life thanks to homogenised batteries.

The solution: perfectly matched batteries from Battery-Kutter.

Battery-Kutter has been synonymous with maximum operating safety in the battery sector for 35 years. As a supplier and reliable partner to manufacturers and UPS system servicing and maintenance companies, we offer solutions which prevent outages before they occur.

- **The most comprehensive UPS battery range in the sector**
Our variety of designs, capacities and technologies allow us to provide the most cost-effective, technically optimal configuration for every battery system.
- **Safe thanks to homogenised batteries**
We homogenise batteries using automated top-charging in our 500 m² finishing workshop. The result: matched blocks with the same voltage and internal resistance.
- **Manufacturer quality by design**
SSB Battery (lead) and LiBrick (lithium) allow us to deliver premium quality battery solutions. Our capacity of up to 1.2 million top-charging batteries per year guarantees consistent quality, even for large production runs.

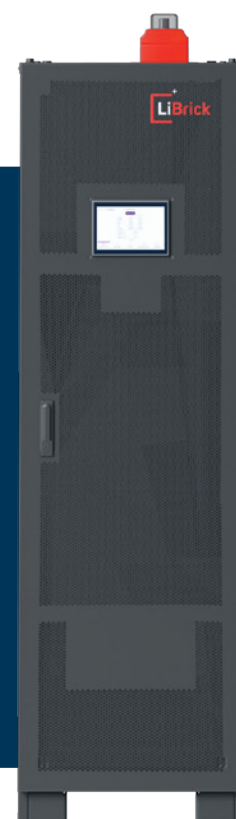


Our signature product: the LiBrick UP10 battery energy storage system

Maximum scalability, maximum safety.

The LiBrick UP10 is a modular UPS battery storage system based on modern LFP technology that unites high efficiency, maximum reliability and a remarkably compact design. Up to eight storage units can be run in parallel, each flexibly accommodating 8 to 12 modules.* An optional centre tap, available across 8, 10 or 12 modules, will give you voltage levels precisely matched to your application.

More on page 10



*Acting as the master, the first system can be paired with up to seven slave systems running in parallel.

Wide-ranging portfolio which delivers perfect UPS concepts.

We will advise throughout the process, from selecting the best technology to finalising the entire system.



Specifications	SBL series	SBL-HR Xtreme series	Grid Power series	Pure Lead Power series	LiBrick Standard series	LiBrick UP10 system
Technology	Lead AGM batteries	Lead AGM batteries	Lead AGM batteries	Pure lead AGM batteries	LFP batteries with and without communication	Modular UPS battery storage system with LFP batteries
Voltage	12V	12V	2V	12V	12.8 – 51.2V	160 – 691.2V
Output	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Temperature range	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Service life	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Storage life	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Warranty	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Area of use						
Trade & commerce	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Hospitals	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Data centres	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■
Power plants	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■

SSB SBL-HR Xtreme

Maximum power and absolute reliability for extreme requirements.



The perfect solution for high-current applications.

The SSB SBL-HR Xtreme series comprises completely maintenance-free, sealed AGM batteries which have been specially developed for extremely high-current applications. Compared to the previous HR series, the SSB SBL-HR Xtreme produces up to 30 percent more high current output while taking up 35 percent less space, making it ideal for compact, high performance UPS systems.

- ➔ **Xtreme Power**
Special, extremely close-meshed grid structures and a very low internal resistance ensure maximum discharging currents, reliable even under peak loads.
- ➔ **Broad operating temperature range**
Reliable operation between -20°C and $+60^{\circ}\text{C}$, including challenging environmental conditions.
- ➔ **Sealed & entirely maintenance-free**
State-of-the-art sealing and assembly processes combined with the latest glass fibre mat technology deliver maximum operating reliability with no maintenance required.
- ➔ **Optimum storage life**
An extremely low self-discharge means the battery can be stored for up to six months at 20°C with no need for recharging.
- ➔ **Very long service life**
Classified as a “very long life” battery by EUROBAT with a service life of more than 12 years.
- ➔ **Certified quality**
Manufactured as per ISO 9001 and ISO 14001, certified and accredited as per UL and IEC standards.

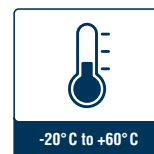
SSB



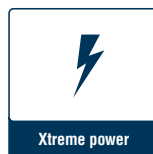
AGM technology



Maintenance-free



-20°C to $+60^{\circ}\text{C}$



Xtreme power



Service life



Flame-retardant





SSB Grid Power

Reliable energy for stable networks and critical infrastructures.

The stable solution for high ambient temperatures.

The SSB Grid Power series was developed for use in constant high ambient temperatures. These sealed, completely maintenance-free high-temperature lead batteries impress thanks to their compact design, high performance and long service life of up to 15 years at 35°C. The SSB Grid Power series is the ideal solution for challenging UPS and industrial applications.

- ➔ **Entirely maintenance-free high-temperature lead battery**
Reliable operation without refilling or maintenance, even under challenging thermal conditions.
- ➔ **Optimal at high ambient temperatures**
High-performance alternative to conventional batteries, whose service life is reduced when exposed to high temperatures.
- ➔ **Very long service life**
Classified as “very long life” batteries (> 12 years) by EUROBAT, able to operate at 35°C for up to 15 years.
- ➔ **Significantly lower operating and maintenance costs**
Maintenance-free operation and reduced energy consumption lower the total cost of ownership (TCO).
- ➔ **Compact, space-saving design**
Ideal for applications with limited installation space or high energy density per unit area.
- ➔ **Reduced carbon footprint**
A longer lifespan means fewer replacement cycles and lower energy consumption thanks to reduced cooling requirements and a smaller environmental footprint.



SSB Pure Lead Power

Maximum power density and reliability thanks to pure lead technology.



The long-lasting solution under challenging conditions.

Based on state-of-the-art TPPL technology (thin plate pure lead), the SSB Battery Pure Lead Power series has been designed for applications where maximum reliability, long operating times and resistance to challenging temperatures are paramount. It impresses with exceptional longevity and a storage life of up to two years, even under extremely challenging conditions.

- **Extremely long service life**
Design life up to 20 years, classified as “very long life” batteries by EUROBAT at over 12 years.
- **State-of-the-art TPPL pure lead technology**
Ultra-thin pure lead plates ensure a very high energy density, extremely low internal resistance and optimum corrosion protection.
- **Maximum temperature stability**
Reliable operation between -35°C and $+65^{\circ}\text{C}$ – ideal for extreme environmental conditions.
- **Maximum flexibility in integration**
Available in front-terminal and top-terminal configurations for maximum compatibility with existing UPS systems.
- **Enhanced operational safety**
An explosion-proof pressure relief valve to ensure safe operation, even under high load.
- **Long-term, future-proof investment**
5-year guarantee underlines the outstanding quality and reliability of the Pure Lead Power series.



TPPL Technology	5 years Warranty	Up to 20 years Service life
 -35°C to $+65^{\circ}\text{C}$	Up to 2 years Shelf life	 High energy density





SSB SBL series

Maintenance-free AGM batteries with a long service life for maximum fail-safety.

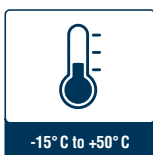
The solution for fail-safe operation of small UPS systems.

The SSB Battery SBL series is synonymous with sealed, completely maintenance-free AGM batteries specially developed for small and medium-sized systems. With excellent discharge performance and a service life of 10 to 12 years according to EUROBAT, they offer reliable fail-safety in a compact design.

- ➔ **Broad operating temperature range**
Reliable operation between -15°C and $+50^{\circ}\text{C}$.
- ➔ **Long service life**
Design life of 10 to 12 years according to EUROBAT.
- ➔ **Sealed & maintenance-free**
Safe operation with no maintenance required.
- ➔ **Excellent discharge behaviour**
A wide range of capacity increments allows use for highly diverse requirements and performance profiles.
- ➔ **Compact design**
Highly suitable for installation in battery cabinets or on compact racks.



AGM technology



-15°C to $+50^{\circ}\text{C}$



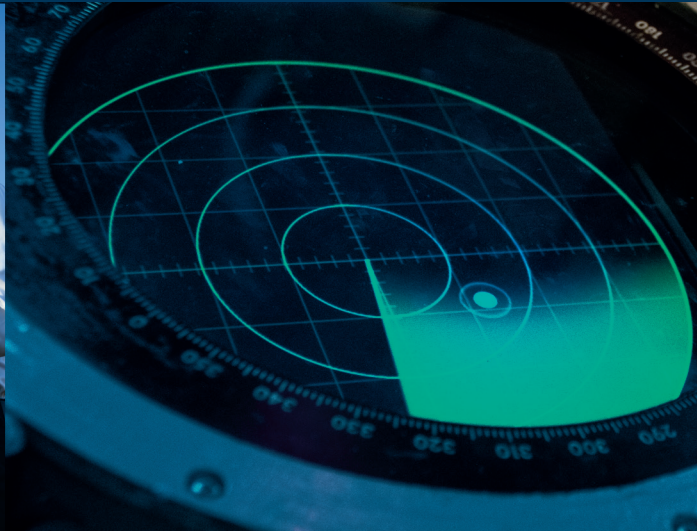
Maintenance-free



10-20
years

Service life



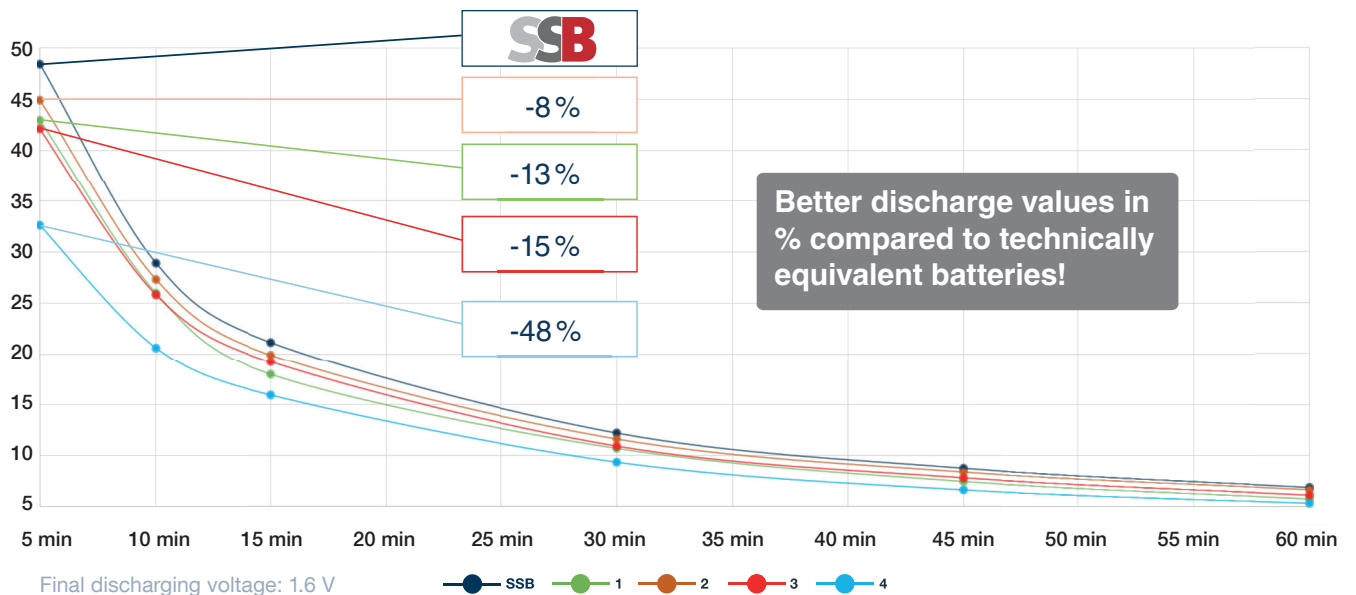


SSB SBL 9-12L: maximum performance thanks to fully automated manufacture.

The SSB battery SBL 9-12L is manufactured on a fully automated production line. The result is unvarying, homogeneous internal resistance throughout all cells. Combined with an optimised grid and plate structure, the battery achieves significantly higher discharge currents than comparable products by other manufacturers, making it ideal for small, modern, high-performance UPS systems.

The best discharge rates on the market.

A product comparison (amperes per cell) reveals that the SSB SBL 9-12L outperforms technically equivalent batteries on discharge rates.





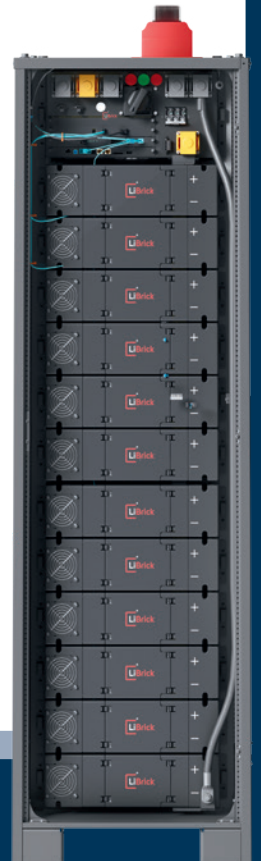
LiBrick UP10

Modular lithium battery energy storage systems for scalable, future-proof applications.

The all-inclusive solution with maximum output and safety.

The LiBrick UP10 is a modular UPS battery energy storage system for highly challenging applications based on modern LFP technology. It combines superb power density, maximum operating safety and a highly compact design, ideal for high-performance, restricted-space UPS applications.

- **High power density**
Up to 322 kW emergency power output at 65.5 kWh capacity.*
- **Flexible system architecture**
Modular, operable in parallel, optional centre tap.
- **Extended service life**
≥80 % SoH after 1,000 cycles at 1C/6C (25°C).
- **Easy integration**
Compatible with UPS systems by leading manufacturers.
- **Low maintenance requirements**
Remote and front access reduce service times.
- **Comprehensive monitoring**
BMU, HMI, environmental monitoring and optional cloud connectivity.
- **High efficiency**
Up to 95 % roundtrip efficiency** with low operating costs.
- **Compact & efficient**
Minimal waste heat and a footprint of just 0.6 m².
- **Long-term safety**
Design life of 15 years; up to 10 years' system warranty.



 Made under German QC Quality assurance	 Low TCO	 Scalable	
 High energy density	 Maximum efficiency	 Maximum safety	 Flexible warranty

* LiBrick UP10-12 at 25°C.
** 89 % at 1C/6CP and 25°C.



LiBrick Standard

Time-tested lithium technology for continuous operation.






The reliable standard solution for high energy requirements.

The LiBrick Standard range comprises high-performance LiFePO_4 batteries in the Standard lead housing. Integrated seamlessly into existing systems, these batteries offer high cycle stability, are exceptionally robust and are ideal for applications with high discharge currents and continuous energy requirements.

- ➔ **Long service life & high cycle stability**
Long-lasting LiFePO_4 technology for reliable continuous operation.
- ➔ **High performance capacity**
Designed for high discharge conditions and currents, even when subject to challenging load profiles.
- ➔ **Robust & safe**
The integrated battery management system (BMS) reliably protects against excessive charging, deep discharge and overheating.
- ➔ **Easy integration**
Standard lead housings ensure custom-fit, uncomplicated handling for many applications.



 Made under German QC Quality assurance	 Standard	
 High cycle stability	 High discharge rates	 Integrated BMS





Achieve greater resilience for your company with battery energy storage systems (BESS).

LiBrick ESS battery energy storage systems (BESS) offer high-performance, long-lasting LFP technology and broaden Battery-Kutter's portfolio in the uninterruptible power supply sector.

With over 15,000 cycles and a design life of 20 years, LiBrick ESS battery storage systems provide backup for business-critical applications and processes for several hours at a time, taking operational management to a new level of autonomy and resilience.



Our field sales team will be pleased to find the right energy solution for you.

Battery-Kutter GmbH & Co. KG · Robert-Koch-Strasse 19a · 22851 Norderstedt · Germany · T +49 40 401 161-0

www.battery-kutter.de/en/
usv@battery-kutter.de



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