

The rock in the data storm.

Where innovation meets unstoppable performance:
Sprinter Pure Power.



AI evolves – so does our back-up power.



Traditional data centers were optimized for user to server traffic and relatively independent workloads, with gradual density growth and mostly predictable power draw – UPS systems and batteries served primarily as backup.

AI data centers are different: they optimize for GPU to GPU (Graphics Processing Units) traffic and generate millisecond-scale power swings that can exceed nominal load during compute bursts. These sharp, repetitive ramps stress power supply units (PSUs), switchgear, transformers, and generators – and can prematurely age traditional AGM VRLA batteries when they are exposed to constant micro discharges.

As a result, the latest VRLA generation of real thin plate pure lead batteries – Sprinter Pure Power – has been developed to withstand tens of thousands of microcycles, deliver superior rapid charge acceptance during ramp down events, and operate effectively in a predominantly partial state of charge (PSoC).

This evolution allows the traditional UPS to move from passive standby to active power infrastructure, stabilizing fast load changes and smoothing input demand to keep AI operations stable.

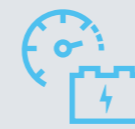
Being AI ready means:



Designed for microcycling ensure continuous uptime for AI workloads



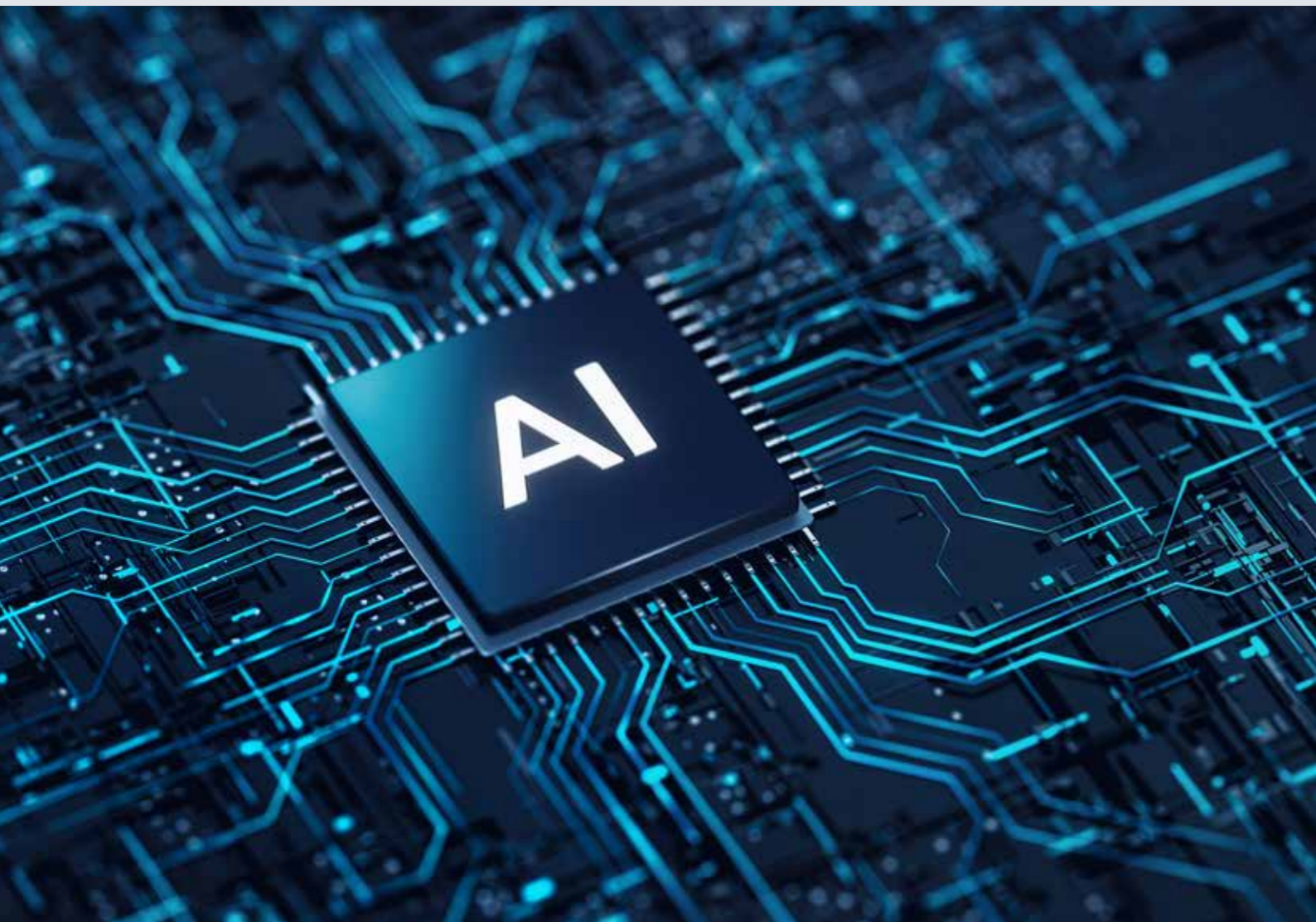
Battery can adapt to a wide range of data center and AI applications



Battery meets data centers expectations for unpredictable, high-frequency power demands



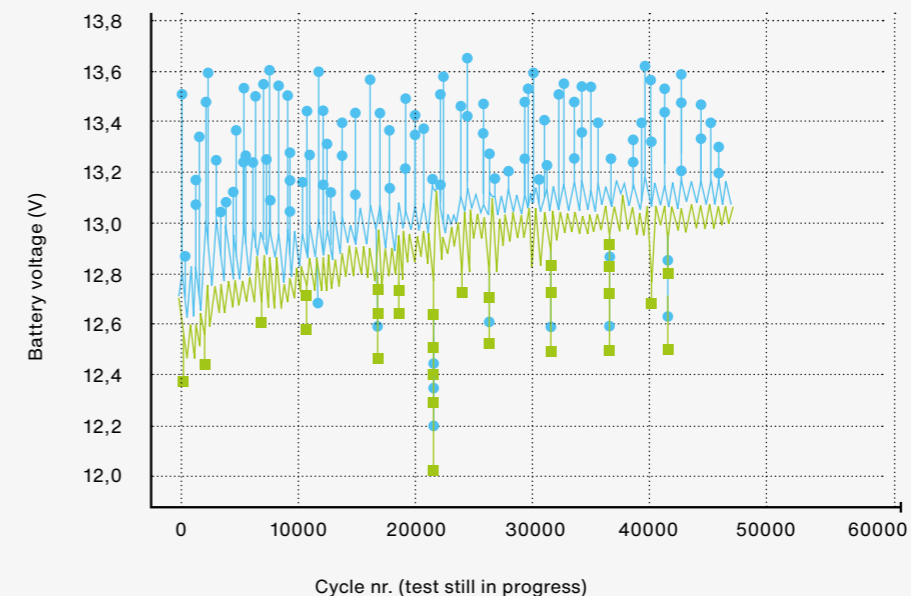
Fewer replacements and lower total cost of ownership (TCO)



Practice makes perfect.

Testing batteries under realistic microcycle conditions is essential to reveal true performance and ensure accurate lifetime predictions. By understanding and validating microcycle behavior, we can optimize system efficiency, enhance customer confidence, and maximize the long-term value of our products.

Microcycling caused by AI workload and LLM training



Based on ongoing internal lab testing, AI-driven workloads cause continuous microcycling in backup batteries – with over 40,000 shallow cycles observed even in standby mode.

The new Sprinter Pure Power. Your ace that protects your data 24/7.

Paves the way to the future with the most advanced Thin Plate Pure Lead AGM technology (TPPL) offering the highest power.



A pioneering technology enters the next level.

Power that keeps the future running.



Data centers handling dynamic AI workloads need reliable, advanced backup systems to ensure data security during power disruptions. High demands on performance and cost efficiency make this the ideal solution to maximize power, reduce energy costs, and operate more sustainably.



Commercial and industrial entities cannot afford to experience power interruptions that could disrupt their operations and cause financial losses.



Telecoms are faced with the challenge of keeping operating costs as low as possible and need smart, reliable, and sustainable battery solutions to let communication run.

The Sprinter Pure Power FT - front terminal design with integrated handles for easy access, enabling faster installation and simplified maintenance.



15-20%

space saving

20%

higher lifetime

20%

more power at high-rate discharges



- Bringing advanced Thin Plate Pure Lead AGM technology (TPPL) to the next level
- Made in Europe on fully automated production lines with seamless quality controls (Industry 4.0)
- First choice for reliability, durability, and performance
- Lead batteries can be fully recycled (circular economy)

Beyond pure lead. Setting new standards.

The world is becoming increasingly digital, with data centers facing rising, dynamic AI-driven workloads. To stay competitive, they must expand capacity while operating cost-efficiently and sustainably. These conditions require batteries that can withstand frequent micro-cycling without accelerated degradation, as reduced service life leads to higher costs and more frequent replacements. As a forward-thinking company, Exide Technologies address these challenges with advanced energy storage solutions designed to handle rapid power fluctuations and ensure reliable backup power.

Polypropylene container and lid

- Very low permeability

Inter-cell connectors

- Through the partition welding (TTP) for reduced electrical resistance
- Optimized discharge cross section

Negative plate

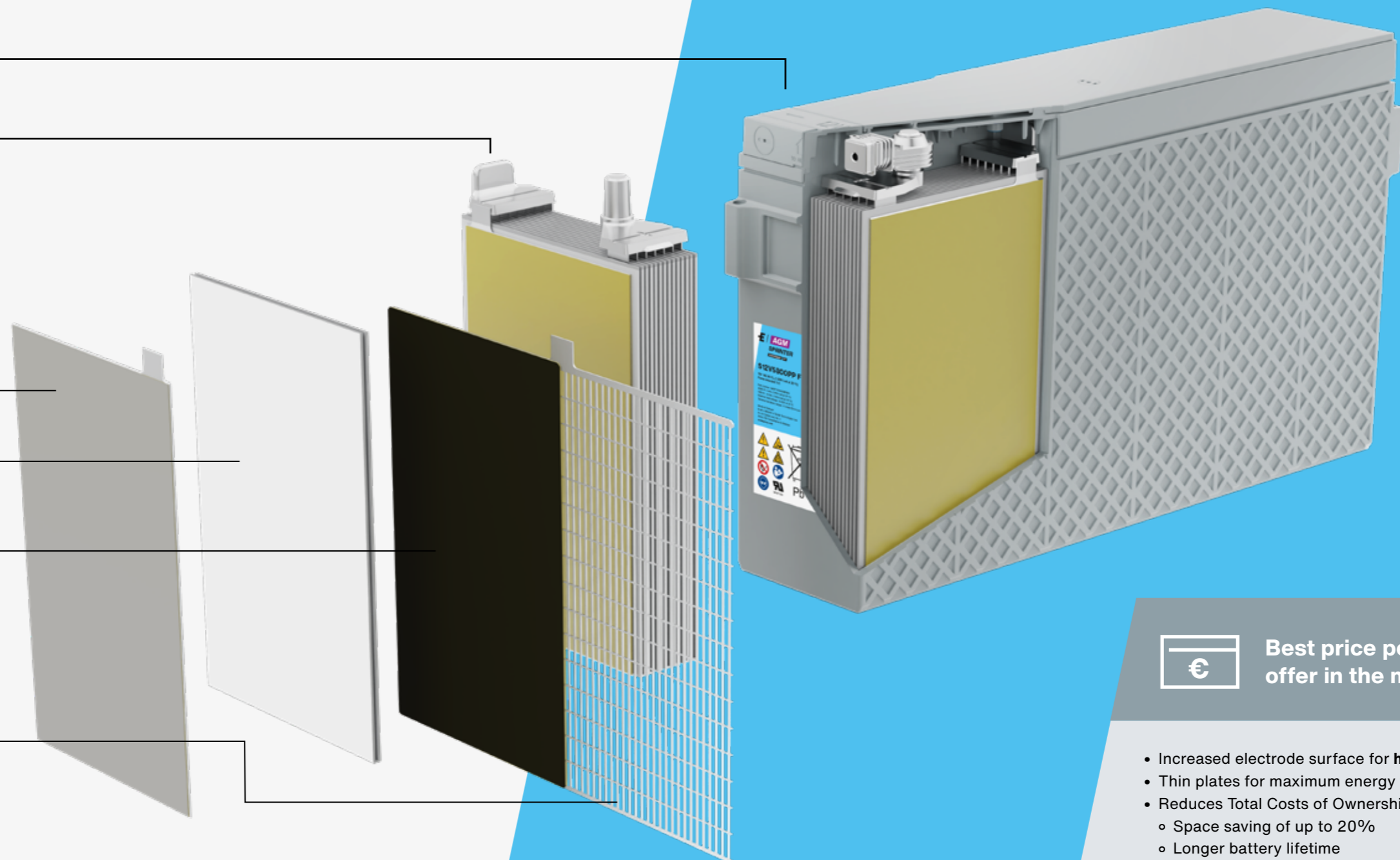
AGM separator

- Extremely low electrical resistance

Positive plate

Thin Plate Pure Lead (TPPL) positive electrode

- Extremely low corrosion rate
- High number per cell increasing the active electrode surface



Pure lead AGM technology
for a very long design life



Highest electrode surface
for power and
best performance



Thin plates
for maximum
energy transfer



High energy density
for space savings



**Best price per watt
offer in the market.**

- Increased electrode surface for **highest power**
- Thin plates for maximum energy transfer
- Reduces Total Costs of Ownership (TCO)
 - Space saving of up to 20%
 - Longer battery lifetime

We aim for the greener green.

Our commitment to sustainability is more vital and impactful than ever. We strive for absolute efficiency using renewable energies in order to offer future generations a world worth living in.

We work every day to become even more sustainable – our spirit to innovate and improving ourselves never stops.

The world is changing. That's why we are energizing a new world.

For Exide, now is the time to release new energies to move even more into the future. **"Energizing a new world"** is designed to convey this aspiration. We want to bring change to life, face challenges together with our partners, and develop solutions for today and tomorrow. **Let's create the future – the Exide way:**



Innovation is the engine of technology leadership. That's why we are constantly evolving, remaining self-critical, and continue to inspire our customers.



Sustainability is an important part of our responsibility. That's why we rely on renewable energies and intelligent recycling concepts.



Reliability defines our business. This applies to our products as well as our innovative development, services, and partnerships. Our responsibility does not end with our products, but starts right there.



High Performance is the standard we set for our products and services. All our solutions are best of class. This means our customers are optimally equipped for any task.

Compromise? No way!

Our state-of-the-art AGM production line is powered by renewable energy.

We have expanded the future of our company with the state-of-the-art production line fully dedicated to latest TPPL AGM batteries at our Castanheira do Ribatejo plant in Portugal. Embracing solar power is the path to sustainability – which is why our Portuguese production and recycling facilities feature two solar parks backed by a reliable Sonnenschein A600 gel battery energy storage system, enhancing control and self-consumption of renewable energy.

Castanheira plant in facts & figures:

- Battery plant founded in 1950 – installation of AGM TPPL production line in 2023
- Total size: 168,000 m²
- Our company recycling facility in close proximity

Solar park installed in 2019:

- Combined capacity of 4.5 MWp across production and recycling facility
- Carbon emissions **reduced by more than 20%** across both sites
- Energy produced could supply over 1,500 homes
- 11,250 photovoltaic panels and 70 inverters

“As a market leader in energy storage solutions for data centers, I am proud to announce the latest generation of Thin Plate Pure Lead technology (TPPL) batteries – Sprinter Pure Power. These most advanced pure lead AGM batteries for UPS (uninterruptible power supply) and data center applications are produced on fully automated manufacturing lines (#industry 4.0) with automated quality controls at each production stage. Thanks to its closed-loop recycling, powered by solar energy from one of the biggest solar parks with energy storage in Europe, the Sprinter Pure Power is engineered for a low carbon footprint.”



Serge Arbes, Senior Business Director Global Energy Solutions at Exide Technologies



The solar park in Portugal shows our path forward for looking to reduce energy costs and manage carbon emissions. Solar provides a cost-effective and renewable source of energy. Stored energy can be used at night and in reduced sunlight, further reducing emissions and dependence on the grid.

Fits neatly into the family.

With our extensive product portfolio, we have the perfect battery solution for every project. We provide you with competent advice, project support, and an installation service. Our application expertise with best-in-class online tools ensures that every customer can find the perfect battery technology for their requirements.

Battery ranges & application coverage

Application	Sonnenschein						Marathon						AGM UPS	Sprinter		Absolyte	Powerfit	Classic									
	A100	A400	A400 FT	A500	A600	Solar	Rail	Power Cycle	Pure Energy Premium FT	Pure Energy Premium	Power Cycle	M-FT	L	S200	P	Pure Power	Pure Power FT	GP/GX	S100/S100L/S300	OCSM	OPzS	Energy Bloc	OPzS Solar	EnerSol	Rail		
UPS	Data center																										
	Commercial & industrial																										
Telecoms	Stable grid																										
	Poor/off-grid																										
Electric utility	Power generation																										
	TSO/DSO																										
	Stable-grid BESS																										
Solar-powered equipment	Parking meters/marine buoys, etc.																										
	Alarm systems, CCTV																										
Emergency & security	Emergency lighting																										
	Signaling & infrastructure																										
Railway	Rolling stock																										

best fit/highly recommended
 good fit/recommended
 possible/recommended
 not recommended/still possible

Long live the Sprinter Pure Power range.

Technical features:


- Thin Plate Pure Lead technology (TPPL)
- Design life: up to 15 years at 20 °C (until 80 % nominal C₁₀)
- Maintenance-free (no topping up) during the whole service life
- High-compression Absorbent Glass Mat (AGM) technology
- Power (10 minutes) from 1978 to 5732 W
- Available in flame-retardant Polypropylene-UL 94 HB or UL 94 V-0 material
- Very low gassing due to internal gas recombination (99 % efficiency)

Standards & certifications:


- EUROBAT 2022 classification: >12 years – very long life
- No restrictions for rail, road, sea, and air transportation (IATA, DGR clause A67) – trouble-free transportation of operational blocks
- Approval: UL (Underwriters Laboratories)
- Designed in accordance with IEC 60896-21/22
- Manufactured in Europe in our ISO 9001 and ISO 14001 certified production plants

Additional benefits:


- Extended shelf-life: up to 2 years at 20 °C
- Wide operating temperature range: -40 °C to +55 °C
- AI compatible




Design life up to 15 years




Nominal capacity 56.4-195 Ah




Block battery



Grid plate




Recyclable




VRLA

Valve regulated lead-acid batteries



Maintenance-free (no topping up)



Special high current performance



Up to **15** years of design life



15 years of design life

We don't imitate. We innovate.

We don't just develop good technology,
we break new ground!

Sprinter Pure Power range

Welcome to our most advanced data backup with the latest generation of pure lead AGM technology. Best example to illustrate our mission: Even the hottest technology can still get improved.



We are technology-agnostic and always search
for the best possible solution for our customers.

Solition Data Center

Solition Data Center offers a cutting-edge lithium-ion based energy storage solution for data centers that need reliable and efficient backup power. Provides high cycle stability, outstanding performance, inherent safety features and durability.



And never stop thinking in all directions.



Solition Mega

Renewable energy supply is harder to predict, and production can be more volatile. Data centers can help reduce the volatility in the power grid by promoting the transition towards green energy and, in the process, generate revenues from their UPS. No matter what size, Solition Mega energy storage systems provide a reliable and efficient solution for a wide range of energy storage needs.



Energy that goes beyond.



- Automotive plant
- Industrial plant
- R&D facility
- Recycling
- Global HQ
- Principal sales offices
+ sales offices and distribution centers worldwide



<p>All manufacturing plants ISO 9001 certified</p>	<p>All automotive plants IATF 16949 certified</p>	<p>All manufacturing plants ISO 14001 certified</p>	<p>All manufacturing plants ISO 50001 certified</p>	<p>Most manufacturing plants ISO 45001 certified</p>
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**ENERGIZING
A NEW
WORLD**

EXIDE
TECHNOLOGIES