

Exide extends Sprinter Pure Power portfolio - catering to AI-driven data centers

- **Exide introduces new Sprinter Pure Power FT range: Front terminal AGM batteries for data centers**
- **Advanced AGM TPPL technology designed to meet increasing AI workload demands**
- **Helping reduce total cost of ownership for operators**
- **Made in Portugal – using solar energy from Exide’s photovoltaic installation**

Gennevilliers, France (03/06/2026) – Exide Technologies (<https://www.exidegroup>), a leading supplier of energy storage solutions, has expanded its Sprinter Pure Power portfolio with a new front terminal AGM TPPL (thin plate pure lead) battery range designed for data centers supporting AI-driven workloads.

Engineered for increasing AI requirements

Data centers are handling increasingly large, dynamic and power-intensive AI workloads. Unlike traditional environments, AI-driven infrastructures generate rapid, short-duration power fluctuations and frequent micro-discharges, placing new demands on backup power systems. To operate reliably under these conditions, batteries must withstand frequent micro-cycling without accelerated degradation. Otherwise, service life is reduced, leading to higher costs and more frequent replacements.

Exide Technologies’ Sprinter Pure Power range is engineered to meet these challenges and offers:

- High resilience to frequent micro-cycling
- Optimized for high power absorption during peak load phases in AI/LLM training cycles
- Reliable performance under dynamic and high-frequency load profiles
- Extended service life, resulting in fewer replacements
- Lower total cost of ownership for UPS operators

Advanced TPPL AGM battery technology in Front Terminal design

The new Sprinter Pure Power FT batteries combine advanced Thin Plate Pure Lead (TPPL) AGM technology with a front terminal design, featuring all electrical connections on the front panel. This enables fast installation and simplified maintenance in rack-based systems, while enhancing operational safety.

By using thinner electrodes made from high-purity lead, TPPL technology increases the active surface area compared to conventional AGM designs. This results in improved performance under demanding operating conditions typical of AI-driven data centers, including:

- High tolerance to frequent micro-cycling without accelerated degradation
- Enhanced charge acceptance during rapid load fluctuations
- Efficient operation in partial state-of-charge conditions
- Up to 20% higher power at high-rate discharge compared to traditional AGM batteries
- 15–20% more compact footprint, supporting space-efficient data center design
- Up to 20% extended battery service life

Press Release

Exide Technologies validates these characteristics through laboratory testing and simulation of dynamic AI load profiles, ensuring reliable performance under evolving data center operating conditions. Together, these characteristics contribute to a lower total cost of ownership over the battery lifecycle.

Sustainability at the heart of production

Sprinter Pure Power batteries are manufactured in Europe on fully automated production lines dedicated to AGM TPPL technology, supported by quality controls at every stage. Sustainability is a core pillar of Exide Technologies' strategy, supported by its commitment to circular economy principles and renewable energy. The company's plant in Portugal uses solar energy generated from its photovoltaic installation, reducing CO₂ emissions at the site by more than 20%.

Serge Arbes, Senior Business Director Global Energy Solutions at Exide Technologies, said: "Sprinter Pure Power combines advanced TPPL AGM technology with fully automated European manufacturing and closed-loop recycling. By integrating solar-powered production, we deliver high-performance energy storage solutions engineered for a low carbon footprint."

To learn more, take a look at the Sprinter Pure Power AI-readiness case study:
<https://www.exidegroup.com/eu/en/case-study/ai-readiness-sprinter-pure-power>

About Exide Technologies

Exide Technologies (www.exidegroup.com) is a leading provider of innovative and sustainable battery storage solutions for automotive and industrial applications. With more than 135 years of experience, Exide has developed and globally marketed innovative batteries and systems, contributing to the energy transition, and driving a cleaner future. Exide's comprehensive range of lead-acid and lithium-ion solutions serves various applications, including 12V batteries for combustion and electric vehicles, traction batteries for material handling and robotics, stationary batteries for uninterruptible power supply, telecommunication, utility in-front-of and behind-the-meter energy storage and propulsion batteries for submarines and more. Exide Technologies' culture and strategy are centered around recycling, sustainability, and environmental responsibility, reflecting the commitment to being a responsible corporate citizen.

The company has 10 manufacturing and 3 recycling facilities across Europe, ensuring resilience and a low CO₂ footprint with a local supply chain. Exide Technologies is committed to superior engineering and manufacturing. With a team of around 5,000 employees, the company provides €1.5bn of energy storage solutions and services to customers worldwide, every year.

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