The authority in matters of security.

The hunt for the most efficient technology has one winner. Our cutting-edge system Solition Data Center: efficient, compact, reliable and safe.





Creating the future - the Exide Technologies way:















The Li-lon who manages your data back-up.



Performance above the norm.



Sustained power delivery and longevity



Integrated fire protecting system



Highest energy density per square meter in the market



Highest power availability per cabinet, 80 % less operating and maintenance costs



Constant operation – if one module fails, the others team up



Remote real-time monitoring from any device – no special software required



Space savings up to $60\,\%$

(compared to other technologies)







Data centers need reliable and advanced data security backup systems in case of a power outage. Demands in relation to performance and cost savings are high. This is the best choice to get the highest power and reduce energy costs – while becoming greener.

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

Tough demands outside, smart solutions inside.

Our new Solition Data Center energy storage system boosts intelligent features.



Longevity – cycle lifetime up to 5,000 times

Stability – made with safest LiFePO₄ (LFP) cell chemistry - highly stable, no thermal runaway

All-encompassing – three-level Battery Management System (BMS) ensures dependability

Safety – integrated fire extinguishing system on battery module level – precise & quick fire control, non-proliferation



60 % less footprint – high power density means a significant space saving

80 % less costs – thanks to its smart BMS, operating and maintenance time is remarkably low



Flexibility – active current balance control supports new and used battery cabinet combinations

Intelligence – active voltage balance control allows for battery strings of different numbers to be connected in parallel with each-other

Cost-effective – automatic grouping and capacity checks cut manual capacity test costs and avoid power failure risks



Thinking outside the box. Lithium-ion is the most advanced energy storage technology. But it's not the only reason that makes Solition Data Center the perfect match. It is the Battery Management System (BMS) and the intelligence behind it. The system supports the mix of new cycle stability meets emerging and existing modules and includes market trends, such as the increase a three-level BMS. The intelligent in decentralized energy solutions. Ultimately, Solition Data Center's battery system will reduce the total cost of ownership, not only in space outstanding performance in all but especially for maintenance grid conditions, as well as the clever expenses. What's more, its high features, makes it the perfect partner.

All under control:

The intelligence behind.







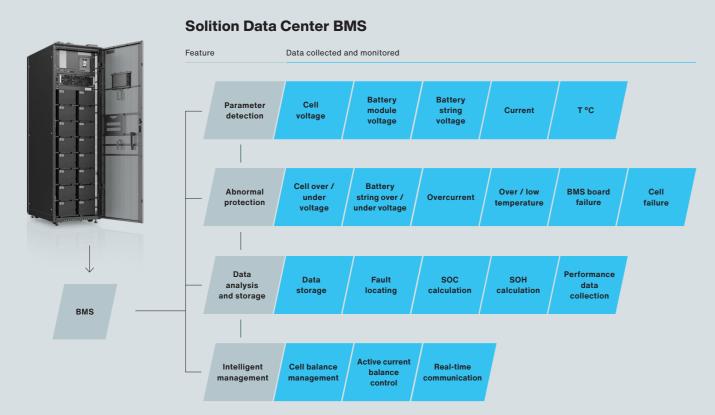
A three-level BMS structure delivers both excellent performance and protection of the entire battery system. Each battery module has a built-in BMS, which allows it to communicate with the Battery Control Unit (BCU) for each specific cabinet. Users can find every parameter and history file – all accessed from a built-in LCD screen or with an internet browser on a TCP IP connection.

A flexible managing system between the UPS and the BCU allows the Solition Data Center battery to work in two modes:

An autonomous mode (stand-alone) – This emulates the behaviour of VRLA batteries with dry contacts communication

A connected mode – This links to the UPS by a Modbus RS485 or Modbus over TCP connection

Three-level BMS via Modbus / Dry contacts



Third-level (UPS):

- Management of Battery Control Unit (BCU), communication with UPS or network management, providing interface ports
- Alarm management and report analysis
- · SoC and SoH management
- Communication to the UPS via Modbus interface or dry contacts

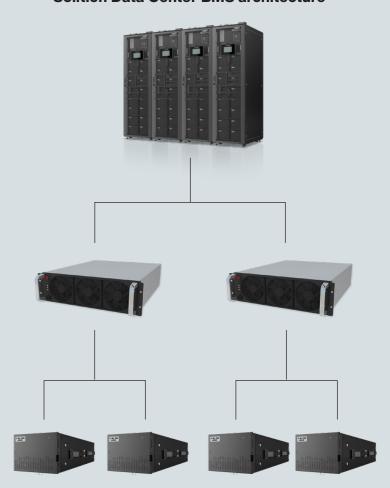
Second-level BCU system:

- Battery management
- · Charge and discharge current detection
- Alarm & protection of abnormal work
- Current balance control between cabinets
- Intelligent Battery Control Unit (BCU)
- One BCU for one cabinet
- Up to 10 cabinets can be used

First-level BMS:

- Voltage and temperature detection
- Battery current balance management

Solition Data Center BMS architecture



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The technology is there.



Just as our experts.

Solition Data Center is the cutting-edge, lithium-ion-based energy storage solution, ideal for data centers that require a reliable and efficient emergency power supply. It's the product with the highest energy density per square meter in the market, the highest power availability per cabinet and on the other side 80 % less operating and maintenance costs.

We have the expertise to deliver smart innovations and **lead the industry** towards a sustainable future.

Energy consultation and service, made in Europe.

At Exide Technologies, we pride ourselves on cooperation. This means being there when our clients need us. After your purchase, our work has just begun. We are ready to offer you our services, standing by your side to energize a new world.



Designed and assembled in Europe



Sales and service all over Europe and MEA



R&D facility in Europe



Service and energy consultation



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

For Exide Technologies, now is the time to release new energies to move even further into the future. Our new claim "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, remain selfcritical, and continue to inspire our customers. We believe that great questions deserve great answers, which is what our innovative R&D is responsible for.



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



Reliability defines our business. This applies to our products as well as our innovative development work, services, and partnerships. We have a responsibility that doesn't stop with our products, but rather starts there.



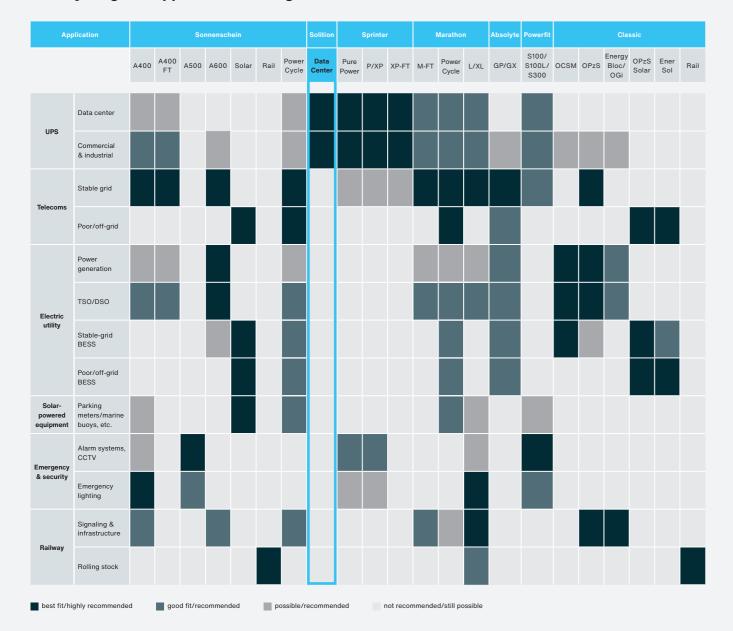
High performance is the standard we set for our products and services. We want all our solutions to be best in class. This gives our customers the certainty of being optimally equipped for any task

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

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The technical features or rather: The skill for high efficiency.

Technical features:

- Design life: 15 years at 25 °C (until 70 % nominal capacity)
- Safe and stable LiFePO, technology
- Include fire protecting system at module level
- · Specially designed for fast-discharge applications (UPS / Datacenters): Power from 50 kW/ 60 min to 300 kW/ 10 min (1C to 6C)
- Wide voltage range (384 to 600 V nominal) and wide temperature range (0 °C to 40 °C)
- Wide range of applications in stand-alone mode or with Modbus communication

Standards & certifications:

- IP21 according to IEC60529 standard
- UN38.3 approval for transport of dangerous goods
- Approval UL1942 & UL1973
- Successfully completed UL 9540A fire test
- . LVD, RoHS and EMC EU directives compliant



For further information please scan the QR code to view the data sheet.















Recyclable

68 5 kWh

5,000 cycles

Maintenance-free

Special high current performances: 1C to 6C

We don't imitate.

We innovate.

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.

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

Sprinter Pure Power

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.





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.

















