

The power of smartness.

Containerized energy systems store sustainable energy, reduce dependence on conventional energy sources and ensure continuity of high-power supply while providing high monetary benefits and advantages for the owners.



Plug-and-play system
with factory pre-set
parameters.



Creating the future – the Exide Technologies way:



Innovation



Reliability



Sustainability



High Performance

GNB Industrial Power becomes
E / a division of Exide Technologies
www.exidegroup.com

SOLITION
MEGA

E / **CUSTOMIZED ENERGY SYSTEMS™**



It's not only charged with energy. But also full of knowledge.

All our experience, knowledge and expertise is packed into this answer to the challenges of the today's energy market. We're taking on the big picture. Energy storage systems are the key factor for energy transition.

Containerized energy storage systems based on lithium-ion technology can be used for various applications behind- or in-front-of the meter providing several benefits to energy consumers and the energy market as a whole. Consumers can store surplus energy from renewable energies for later use or use the storage as a stand-alone system for energy trading and frequency stabilization to balance supply and demand and improve grid stability.

Tailormade for these applications:



Commercial and industrial applications



Agriculture



E-Mobility



Renewable energy and biogas plants



Utilities

Benefit from our expertise:



Worldwide data access



Plug-and-Play with pre-set parameters



Over-the-Air update of system software



Flexible to be placed at various locations; moveable system



Flexible modular configurations



Open infrastructure towards third party aggregators



Design and assembly based in Europe

A perfect match.

In 2021, global player Exide Technologies acquired Ateps Nederland BV, an innovative and dynamic provider of lithium-ion based energy storage systems. Combining innovation and global energy storage expertise, they become **Customized Energy Systems**, thereby offering sustainable energy solutions for future key applications such as time shift, frequency control, peak shaving, energy trading and more.

Flexibility in new dimensions.

And in various sizes.

No matter if 10ft, 20ft or 40ft: Containerized energy storage systems provide a reliable and efficient solution for a wide range of energy storage needs including micro-grid application, frequency regulation, peak shaving, back-up power, energy trading and self-consumption. The system's compact and flexible design allows it to be placed at various locations, should local conditions

change. Explore our cost-effective, environmentally friendly and high power solution and profit from cost savings and optimized energy use. All of these systems are also available as indoor solutions. Custom system sizes can also be made at the customer's request for an additional charge.



**Scan for
reference.**

Solution containerized energy storage systems help to:



Frequency stabilization:

Provide storage capacity to stabilize grid frequency for a financially rewarding solution to ensure grid availability and quality.



Energy Trading:

Profit by short-term imbalances in supply and demand with resulting high price differences by buying energy at low prices and selling it at high prices.



Off-grid application:

Supply your rural area or island with electrical energy without any public grid connection.



Micro-grid application:

Optimize power sources, storage, and consumers to cut costs and reduce CO₂ footprint efficiently.



Self consumption:

Store surplus renewable energy to lower bills and carbon footprint by using it later for your own consumption.



Back-up power:

Ensure that your operation runs 24/7, even during blackouts or public grid failures.



Utility



ESS



Renewable energy



ESS



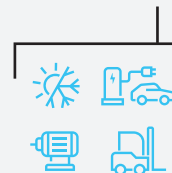
Renewable energy



Main-grid



Commercial and industrial loads



Peak shaving:

Charge your batteries whenever electricity is simply available and discharge them when there are high loads to avoid paying peak prices.

Smarter software.

That's why we shaped one that meets the highest standards of reliability. Lithium batteries, converters, accessories, and other equipment all require a control system in order to work properly. With a fully integrated system they work together in the most efficient way and will operate flawlessly over a wide temperature range and during a long period of time. The application software is written to optimize processing speed and security while maintaining flexibility.

Energy that goes beyond.

- Automotive plant
- Industrial plant
- R&D facility
- Recycling
- Global HQ
- Principle sales offices
+ sales offices and distribution
centers across the world



All manufacturing plants ISO 9001 certified	All automotive plants IATF 16949 certified	All manufacturing plants ISO 14001 certified	All manufacturing plants ISO 50001 certified	Most manufacturing plants ISO 45001 certified
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