



cowa

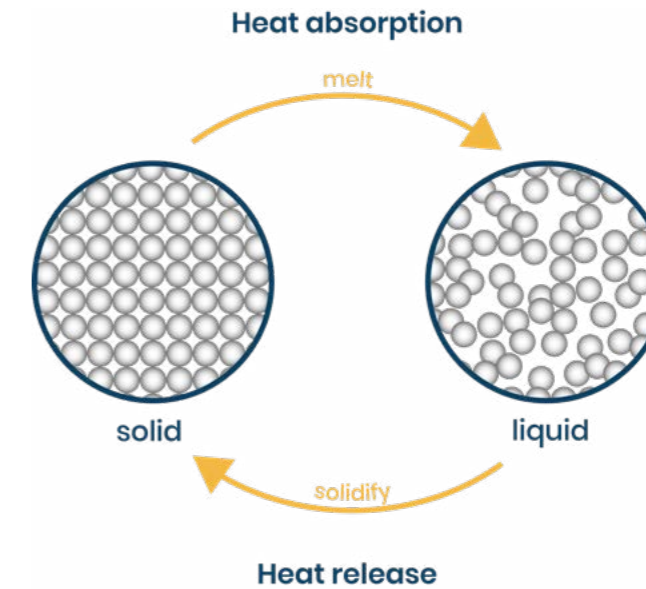
Rethink Thermal Energy Storage





Cowa COMPACT Cell – Standardized Product

Phase Change Material



Cowa Thermal Solution AG has developed unique Phase Change Materials (PCM) based on salt hydrates that can absorb, store and release large amounts of energy in the phase transition between solid and liquid without losses.

Our patented PCMs are made from environmentally friendly, recyclable salt hydrates. They are developed in-house in our laboratories in Switzerland.

The specific storage capacity of PCMs within defined temperature ranges is several times higher than that of water.

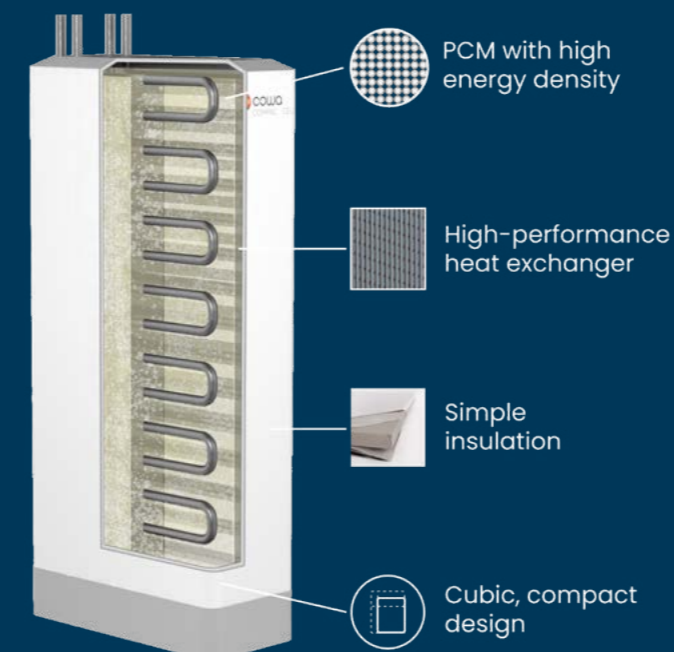
Cowa Thermal Solutions — Innovation from Switzerland

Cowa Thermal Solutions AG stands for pioneering thermal storage technology from Switzerland. With our focus on compact design, maximum efficiency and innovative solutions, we support manufacturers and resellers in the heating and sanitary industry.

Our products combine Swiss engineering excellence with practical applications — delivering future-proof heating systems and new market opportunities.

Together, we are shaping the heating technology of tomorrow.

Operating Principle



Charging

Water from the heating device flows through the heat exchanger on the primary side. The external PCM melts and absorbs the energy output through the phase change.

Discharging

When cooler water is supplied on the secondary side, the PCM solidifies and releases energy through the heat exchanger into the water. This water is then used to heat the building or to produce domestic hot water.

Discover our products and see how you can benefit from a partnership with Cowa Thermal Solutions AG.



Let's make it COMPACT!

Thermal Storage by Cowa Thermal Solutions

Space is a valuable resource — especially in urban areas. Traditional thermal storage tanks are bulky, difficult to integrate in refurbishment projects, and often pose hygiene challenges. We say: There is a better way!

With the Cowa COMPACT Cell, we offer a space-saving, modular and hygienic storage solution. Our innovative technology enables high-performance heat storage on a minimal footprint — ideal for manufacturers and resellers looking to expand their portfolio with a smart solution and gain a competitive advantage.

Together we are shaping the heating technology of tomorrow.

Your Benefits

Choosing the Cowa COMPACT Cell means choosing efficiency, hygiene, and smart use of space. Our innovative thermal storage solution is designed to optimize heating systems while ensuring seamless integration and long-term reliability. Here's how you benefit:

- **Up to 5 times less space required**
Ideal for compact installations and modular heating systems
- **Hygienic design**
No stagnant water, reduced risk of contamination
- **Optimal heat storage**
Perfect for renewable energy and efficient heating technologies
- **Easy integration**
Designed for heat pumps, solar thermal systems, and more

Standard or Customized

Choose the Right Solution for Your Portfolio

- **Standard Thermal Storage**
Standardized and compact solutions for various applications
- **Custom OEM Products**
Tailor-made storage systems designed to meet your capacity and design requirement
- **Flexible Temperature Levels**
Storage solutions for diverse needs, from low- to high-temperature applications



Future-proof portfolio expansion
Innovative product for a growing market

Flexibility for your customers
Custom shapes and capacities

Technical support & consultation
From development to market launch

Cutting-edge technology
Convincing customers, new opportunities

Our Solutions

Engineering Services



Bespoke, high-performance engineering solutions – fully tailored to your storage capacity, temperature level, and system integration needs.

Compact Storage for Heat Pumps

Optimizes heat pumps with minimal space requirements, high efficiency, and hygienic heat storage.



Fresh Water Systems



Hygienic alternative for fresh water systems – space-saving, modular, and protected from legionella due to the flow water principle.

Gas Replacement

Compact, flexible, and sustainable alternative to gas heating systems. Space-saving, modular, and ideal for renewable energy systems.



Self-Consumption Optimization



Tailored, efficient, and smart solutions for self-consumption optimization – maximizing energy use, minimizing waste, and enhancing sustainability.



Learn more about our solutions

Let's Grow Together

The heating technology industry is evolving rapidly – compact, efficient, and sustainable solutions are in higher demand than ever. With Cowa Thermal Solutions, you provide your customers with real added value and expand your portfolio with cutting-edge technology.

Collaboration Opportunities

1. OEM Product for Your Portfolio

Do you want to integrate our thermal storage solutions into your product lineup? We offer customized OEM solutions tailored to your specific needs.

- Custom design & branding
- Adaptation to specific technical requirements
- Swiss quality with short lead times

2. Official Reseller

Expand your portfolio with an innovative solution and benefit from a strong partnership.

- Attractive margins and flexible order quantities
- Marketing and sales materials for support
- Technical training and support for optimal customer consultation

3. Joint Product Development

Have unique requirements or looking to develop a new thermal storage solution? Our engineering team supports you from concept to market launch.

- Innovative solutions for specific applications
- Co-development of new thermal storage technologies
- Long-term partnership for sustainable success

Your Next Step

Whether as an OEM partner, reseller, or development partner, we help you strengthen your market position and deliver innovative solutions.

Get in touch with us!

Let's discuss your needs.



Cowa Thermal Solutions AG

Technopark Luzern, Platz 4
6039 Root D4

+41 41 244 17 00
info@cowa-ts.com
www.cowa-ts.com



Scan to get in touch!