



Phase change energy storage products





Overview

Innovative thermal energy storage solutions for sustainable heating and cooling. Phase Change Materials (PCMs) are one of the most effective and efficient mediums for thermal energy storage (TES), offering a cost-effective, stable, and environmentally friendly solution. Phase Change Solutions is a global leader in temperature control and energy-efficient solutions, using phase change materials that stabilize temperatures across a wide range of applications. Customers across transportation of perishables and pharmaceuticals, buildings and structures, telecom and. Our technology engages bio-based phase change materials, enabling us to craft highly efficient and eco-friendly Thermal Batteries. Our commitment to sustainable future extends. Our PlusICE range of PCM solutions and associated products cover a wide range of applications between -100°C (-148°F) and $+885^{\circ}\text{C}$ ($+1,625^{\circ}\text{F}$) and are available either as the standard PCM solution, or in a variety of formats and encapsulated versions.



Phase change energy storage products



[Compact thermal energy storage for hot water, heating & cooling](#)

Thermal energy storage solutions that make homes, buildings & vehicles more energy-efficient & sustainable while reducing carbon emissions.

[Technology - BioPCM - Phase Change Solutions](#)

BioPCM® can be designed to store and release thermal energy at any precise temperature within the range of -75°C to 175°C, enabling maximum energy performance with minimal impact on the ...



Phasestor

Our technology engages bio-based phase change materials, enabling us to craft highly efficient and eco-friendly Thermal Batteries. PhaseStor, with over 35 years of unwavering dedication, has been at the ...

Phase Change Solutions

Phase Change Solutions is a global leader in temperature control and energy-efficient solutions, using phase change materials that stabilize temperatures across a wide range of applications.



Products - savENRG®

Hydrated Salt Phase Change Materials (PCM) are water-based salt solutions engineered for efficient thermal energy storage through latent heat absorption and release. With a higher density than ...



[Phase Change Materials for Thermal Energy Storage , PLUSS](#)

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[Trending applications of Phase Change Materials in sustainable ...](#)

In this context, phase change materials (PCMs) have emerged as key solutions for thermal energy storage and reuse, offering versatility in addressing contemporary energy challenges.



[Phase-Change Material Thermal Energy Storage in HVAC& R ...](#)



One method of achieving load-shifting is thermal energy storage via phase-change materials integrated with HVAC& R systems. A potential added benefit of phase-change materials is a ...



[Phase change materials: classification, use, phase transitions, and](#)

Most of the research studies on phase change materials (PCMs) have been generally devoted to the development of PCM-based energy storage technologies, the promotion of PCM ...



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For catalog requests, pricing, or partnerships, please visit:

<https://iwap.com.pl>

Phone: +34 919 456 782

Email: info@iwap.com.pl

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