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Systems based on sensible heat storage, latent heat storage and thermo-chemical processes are presented, including the state of maturity and innovative solutions. Essential for the effective ...

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Absorption and adsorption processes also make heat and cold storage possible. This so-called sorptive or thermochemical heat storage provides the advantage of achieving a very high ...

Heat storage refers to the capability of materials or systems to retain thermal energy, which can be utilized to regulate indoor temperatures by reducing fluctuations and delaying temperature ...

Aug 13, 2025 · Thermal energy storage is one such method, and multiple analyses, including technical-economic and life cycle analyses, indicate that thermal energy storage has lower ...

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