Phase change energy storage device design

Fundamental mechanisms of heat transfer within the phase change device are discussed. Performance in zero-g and one-g fields are examined as it relates to such a device. Computer ...

Integrating thermal energy storage (TES) into the heating systems can help alleviate this problem, by shifting thermal load and thus shaving peaks in the building electric load. Therefore, it is ...

The effects of different circulating water flow rates, mass fractions, stirring rates, and gas injection rates on the average storage/release rates of phase change microencapsulated ...

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