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Review of Solar Water Heaters Incorporating Solid-Liquid Organic Phase Change Materials as Thermal Storage

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Highlights

- Thermal and light absorption properties of composite PCMs are reviewed.
- Research gap that limits the practical application of PCMs in SWH is discussed.
- Types of PCM and their performance in SWH are reviewed.
- Recent development in the designs of SWHs incorporating PCMs as TES is reviewed.
- Recommendation on tank design is included to optimize performance of SWH.

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