Solar high temperature molten salt energy storage power generation

Overview

Completed the TES system modeling and two novel changes were recommended (1) use of molten salt as a HTF through the solar trough field, and (2) use the salt to not only create steam but also to preheat the condensed feed water for Rankine cycle. Reddy, “Thermodynamic. That is why MAN Energy Solutions has developed the molten salt energy storage system, or MOSAS. Molten salt energy storage is an economical, highly flexible solution that provides long-duration storage for a wide range of power generation applications. Molten salts are ideal because they remain liquid at extremely high temperatures, have high thermal conductivity, and do not require high-pressure containment like steam, making.

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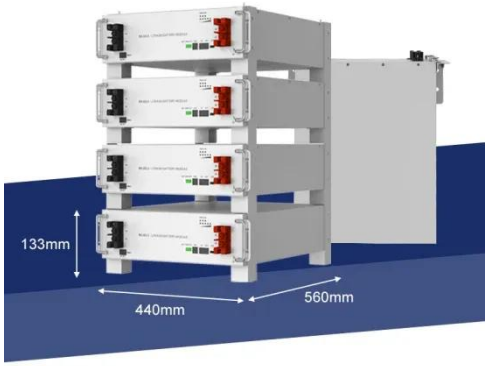

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