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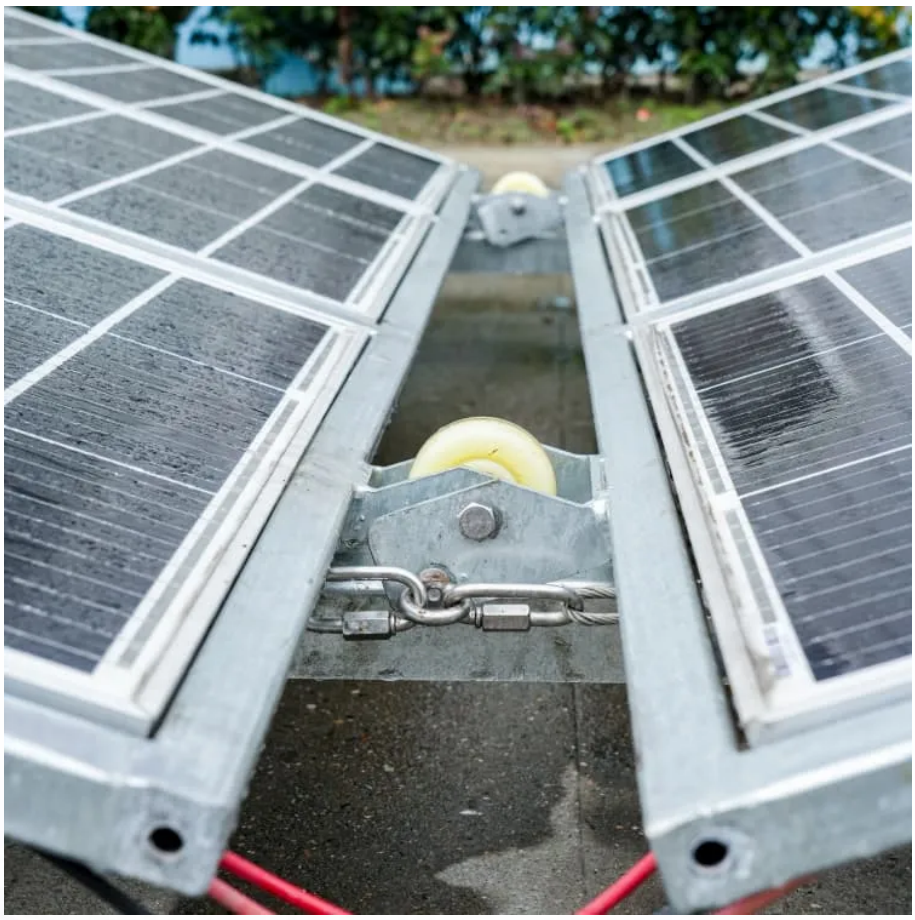
Energy storage device controls waste heat



Overview

What is thermal energy storage (TES)?

Thermal Energy Storage: TES is widely used in industrial waste heat recovery systems. Its utilization in thermal power plants and waste heat recovery systems can enhance performance and reduce the impact of fluctuations.

What is a waste heat recovery system?

A large amount of global energy is consumed by the industrial sector, but a significant portion of it is wasted as heat. Waste heat recovery systems offer an effective solution to this issue, providing significant energy savings and reductions in emissions that contribute to both environmental and economic goals.

Why is TEs used in industrial waste heat recovery systems?

The use of waste heat is made more efficient, allowing for boiling at lower temperatures. It is possible to adjust the composition of the working fluid through distillation, leading to enhanced efficiency. Thermal Energy Storage: TES is widely used in industrial waste heat recovery systems.

How does a thermal energy storage system work?

Thermal energy storage systems can capture and store thermal energy for use at a later time, thereby providing stability in energy supply and improving the overall efficiency of the system.

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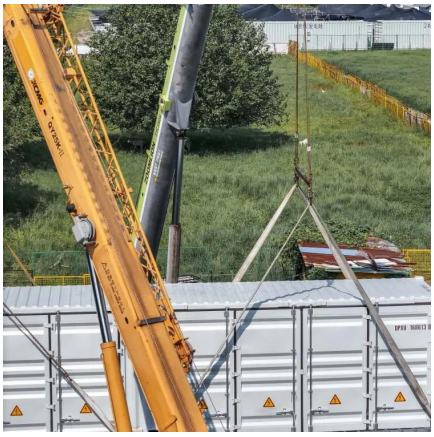

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