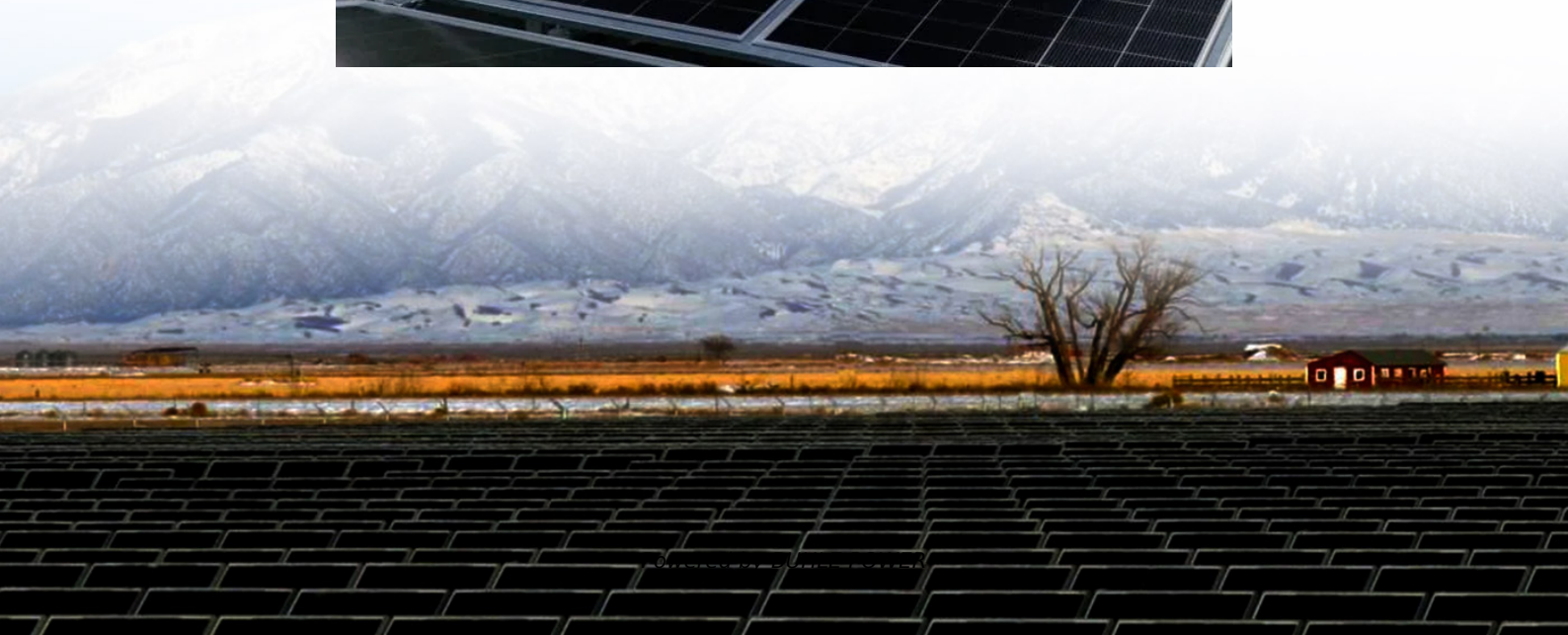


# **Composition of solar thermal power generation system CSP**





## Overview

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What is a concentrated thermal power (CSP) plant with integrated thermal energy storage?

**System Description** The proposed Concentrated Thermal Power (CSP) Plant with Integrated Thermal Energy Storage (TES) consists of three subsystems: the solar field, TES system, and power block. The solar field is a heliostat (a sun-tracking mirror) array that collects sunshine and concentrates it on a central receiver tower.

What is concentrated solar power (CSP)?

light onto a smaller area, creating high temperatures to drive various power generation processes. This concentrated approach enables CSP systems to achieve higher energy efficiency and potential for energy generation for large-scale and continuous electricity generation. Concentrated Solar Power (CSP) Systems Concentrated Solar Power (CSP) systems are.

What is concentrated solar power (CSP) & thermal energy storage (TES)?

Concentrated solar power (CSP) is a promising technology to generate electricity from solar energy. Thermal energy storage (TES) is a crucial element in CSP plants for storing surplus heat from the solar field and utilizing it when needed.

What is a thermal energy storage system (CSP)?

water, oil, or molten salts, which absorbs the heat and transfers it to the power generation unit. Thermal Energy Storage: Many CSP plants incorporate thermal energy storage systems, which allow the collected heat to be stored for later use. This feature enables continuous electricity generation.



## Composition of solar thermal power generation system CSP

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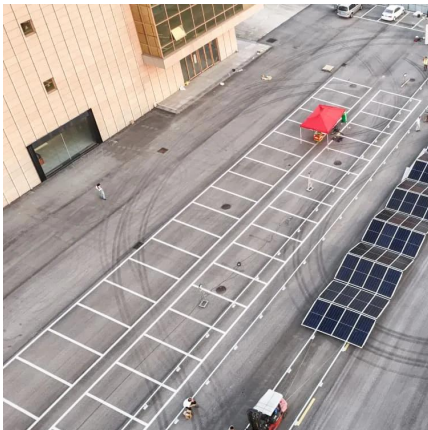
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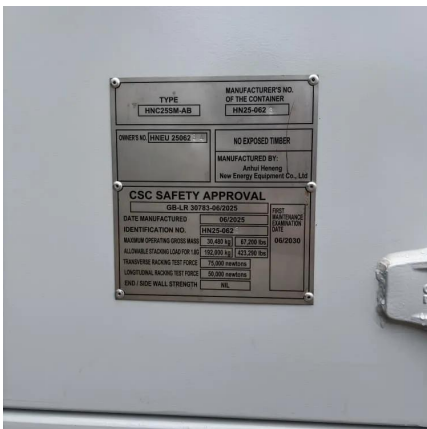
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