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(57) Abstract :  
It comprises a solar radiation receiver positioned atop a tower surrounded by an anti-heliostat field to collect solar radiation reflected by anti-heliostats. Water in a power generation circuit heated directly by solar radiation reflected onto the solar radiation receiver by the heliostat field to generate steam, which is used to drive the steam turbine in a power generation circuit to produce electrical power. The steam turbine is driven by the steam generated by the steam turbine. A thermal energy storage fluid, such as molten salt, is used in an energy storage circuit because it can be heated directly by solar radiation reflected by the heliostat field, which is used to store energy. A heat exchanger is also supplied for the recovery of thermal energy from the thermal energy storage fluid. The thermal energy that has been recovered may then be utilized to produce steam, which can then be used to drive the steam turbine.

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