

ABSTRACT

A solar energy application system is provided, which improves efficiency of utilization of solar energy over a prior art. Disclosed is the solar energy application system having a solar cell 1 and obtaining electric power by the solar cell comprising: a first heat exchanger 2 that cools the solar cell 1; a heat pump 3 that is connected to the first heat exchanger 2; a circulation pump 4 that circulates a heating medium between the first heat exchanger 2 and the heat pump 3; and a flow control unit 5 that changes flow amount by the circulation pump 4, or comprising: the first heat exchanger 2 that cools the solar cell 1; a second heat exchanger 3e that is connected to the first heat exchanger 2; a circulation pump 4 that circulates a heating medium between the first heat exchanger 2 and the second heat exchanger 3e; and the flow control unit 5 that changes flow amount by the circulation pump 4.