

Building a control system for solar energy equipment based on the 8951 microcontroller.

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Abstract: This topic focuses on building an automatic control system for solar energy equipment, based on the 8951 microcontroller platform. The context of the topic stems from the need to optimize the efficiency of renewable energy use in practice. The objective is to solve the problem of effectively managing and controlling solar energy sources through the design, implementation, and testing of a control system based on the 8951 microcontroller. The research method combines theory and experimentation to develop an appropriate control structure and algorithm. The expected result is to provide a flexible and efficient solution for managing solar energy sources, contributing to the development of clean energy technology.

Keywords: Control system, Microcontroller 8951, Solar energy