ABSTRACT
In this paper, LabVIEW-based monitoring system established to electricity generated by solar power and electricity storage and process-based, computer-monitoring approach to understanding the overall power generation and electricity and so on. And set up back in the solar infrared thermometer in order to understand temperature power generation module under analysis, and further to the process of power generation and electricity and maintenance of early warning, using instruments that measured the power output of solar modules, done through the RS232 signal transmission, the data transmitted back to the computer.

Keywords: LabVIEW, monitoring systems, solar cells, signal transduction