



The
power to
control

Custom-made controllers Monitoring module for solar panels

Project description

Photovoltaic solar panels are used in the private sector as well as in the industrial market. Large industrial projects require a monitoring system that constantly keeps track of yield and efficiency.

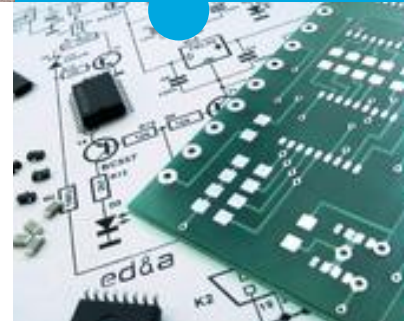
E.D.&A. was asked to develop a measurement module that can measure the currents of 12 strings (number of serially connected solar panels).

These currents can rise to 20A on each string. This measurement module is also equipped with a number of digital inputs for the connection of anti-theft and surge protection devices.

All of the modules can be integrated into a RS485 network. They can be read by a data log system using the Modbus RTU protocol.

Customer

Important player in the renewable energy market.



Characteristics

- RS485 with MODBUS RTU protocol
- 12 galvanically isolated current measurements 0–20A DC
- 2 galvanically isolated digital contact inputs
- 1 galvanically isolated analogue input 4–20mA
- 1 temperature measurement



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