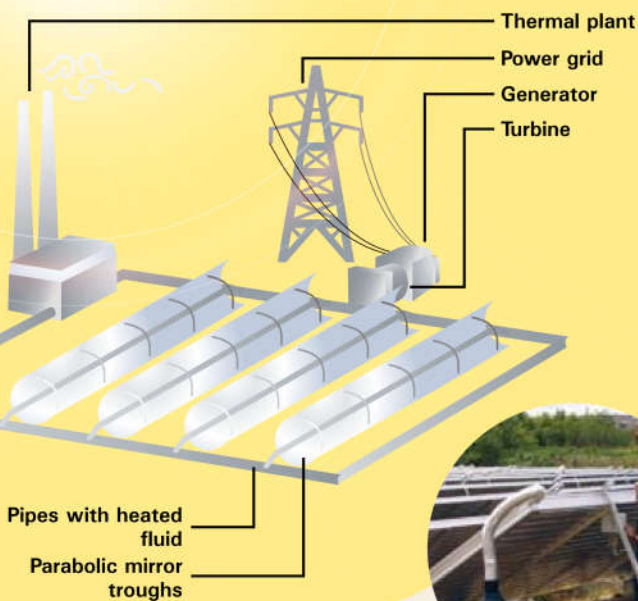
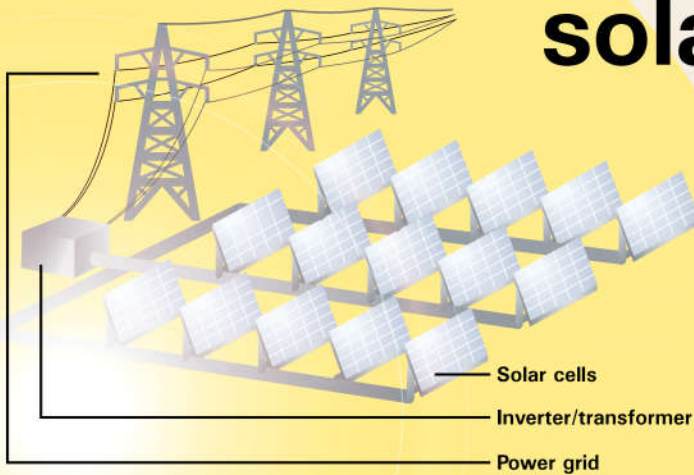


# Solar heating plants and solar power plants

*In the processes that transform solar energy into district heating and electricity, signal conditioning modules from PR electronics contribute by isolating signals as well as by converting analog and digital signals.*

On this page you will find some examples of the tasks performed by modules from PR electronics at solar heating plants and solar power plants.



Solar power tower plants: Boiler temperature measurement with 2-wire transmitter 5333.  
mV/mA conversion of signals from pyrometers with 2-wire transmitter 5331.

## Parabolic trough solar power plants

Measurement of oil temperature in the primary circuit and water temperature in the secondary circuit with 2-wire transmitter 5333.

## Photovoltaic solar power plants

Readout of wind speed and control of the solar trackers with display 5714.

## Solar heating plants

Measurement of water temperature in solar heat collectors and water tank with 2-wire transmitter 5333 / 5331.

Isolation of temperature signals (cables from solar heat collectors to pumping station and control panel) with transmitter 4114 / 5114 or signal isolator 5104 / 2284.

## Solar energy in general

Temperature: The 2-wire transmitters 5331, 5333 and 5335.

Signal isolation: The transmitters 4114 and 5114 plus the isolators 5104 and 2284.

Local readout and process control: Display 5714.

