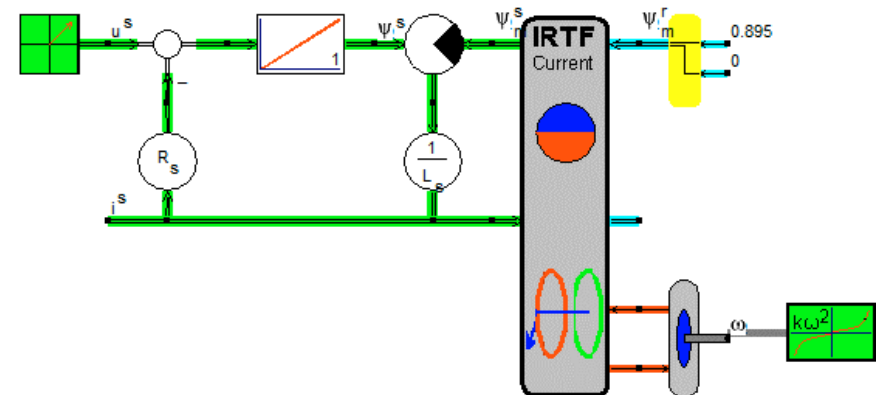


Solar

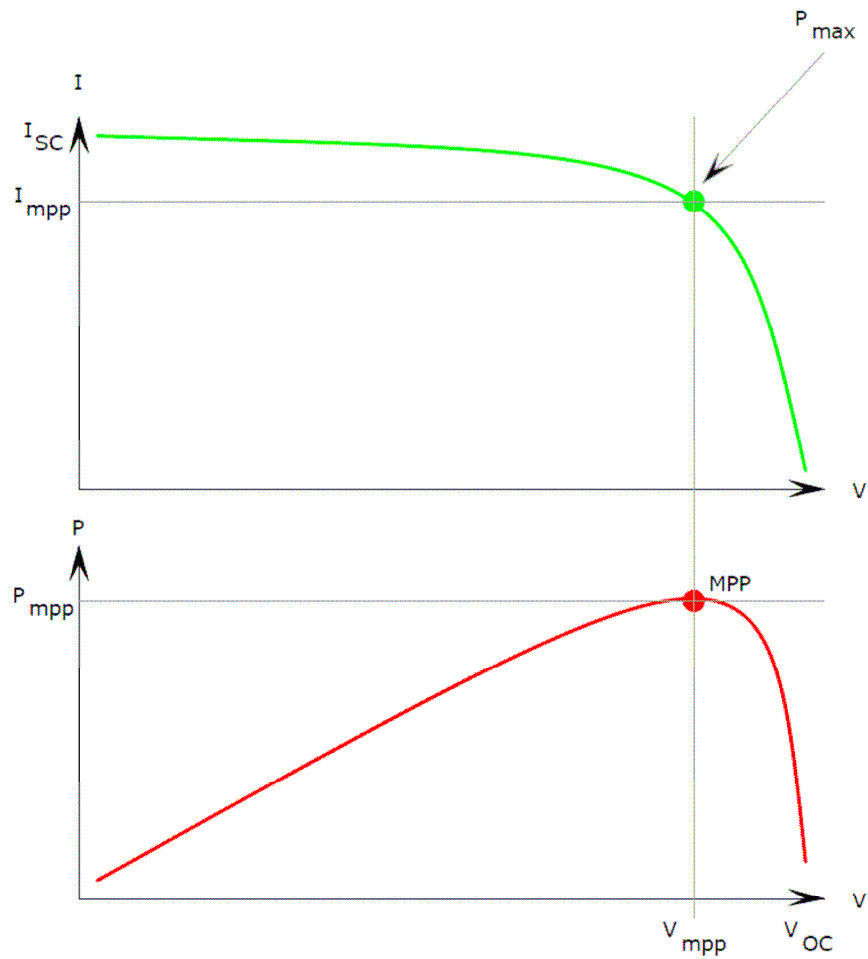
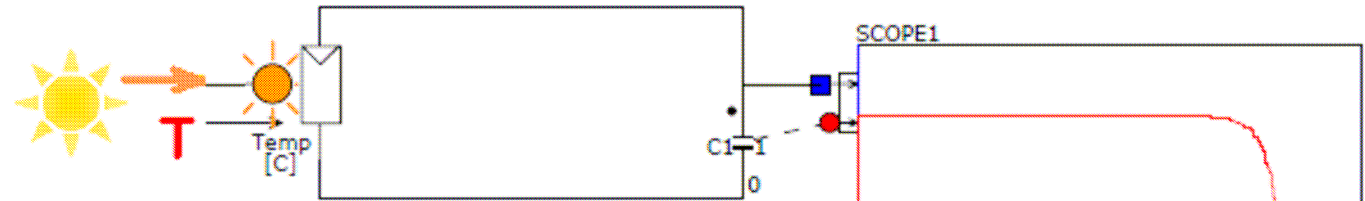
dr ir P.J.van Duijsen

Learning by Simulation

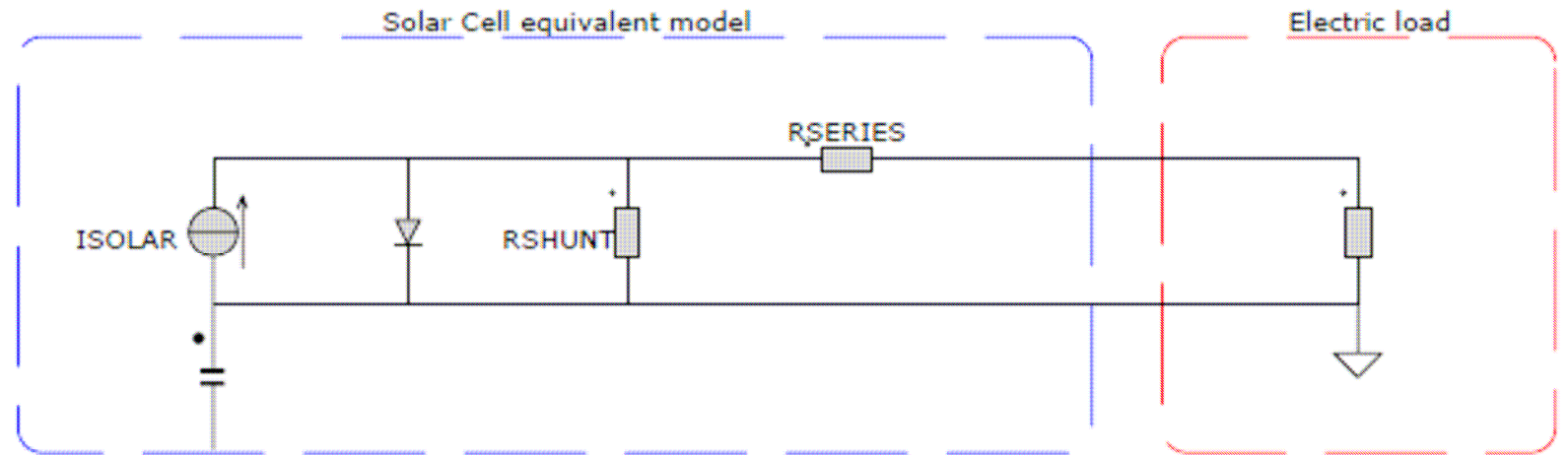
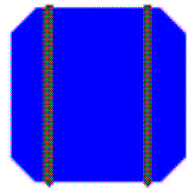
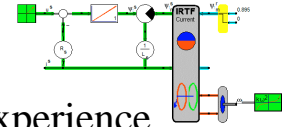
Simulation Research
The Netherlands

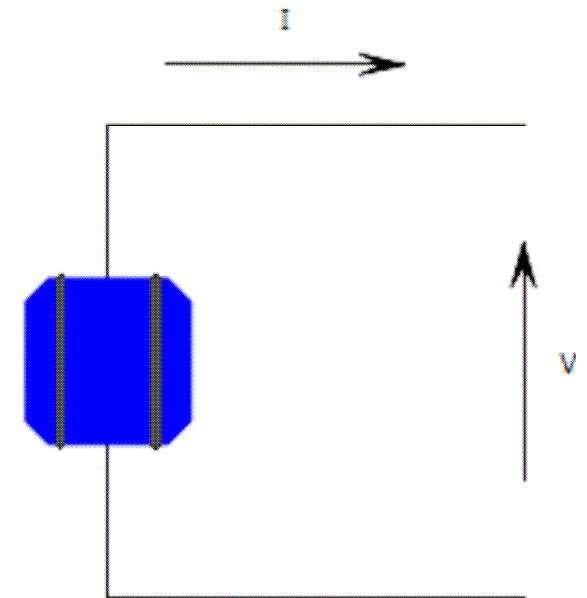
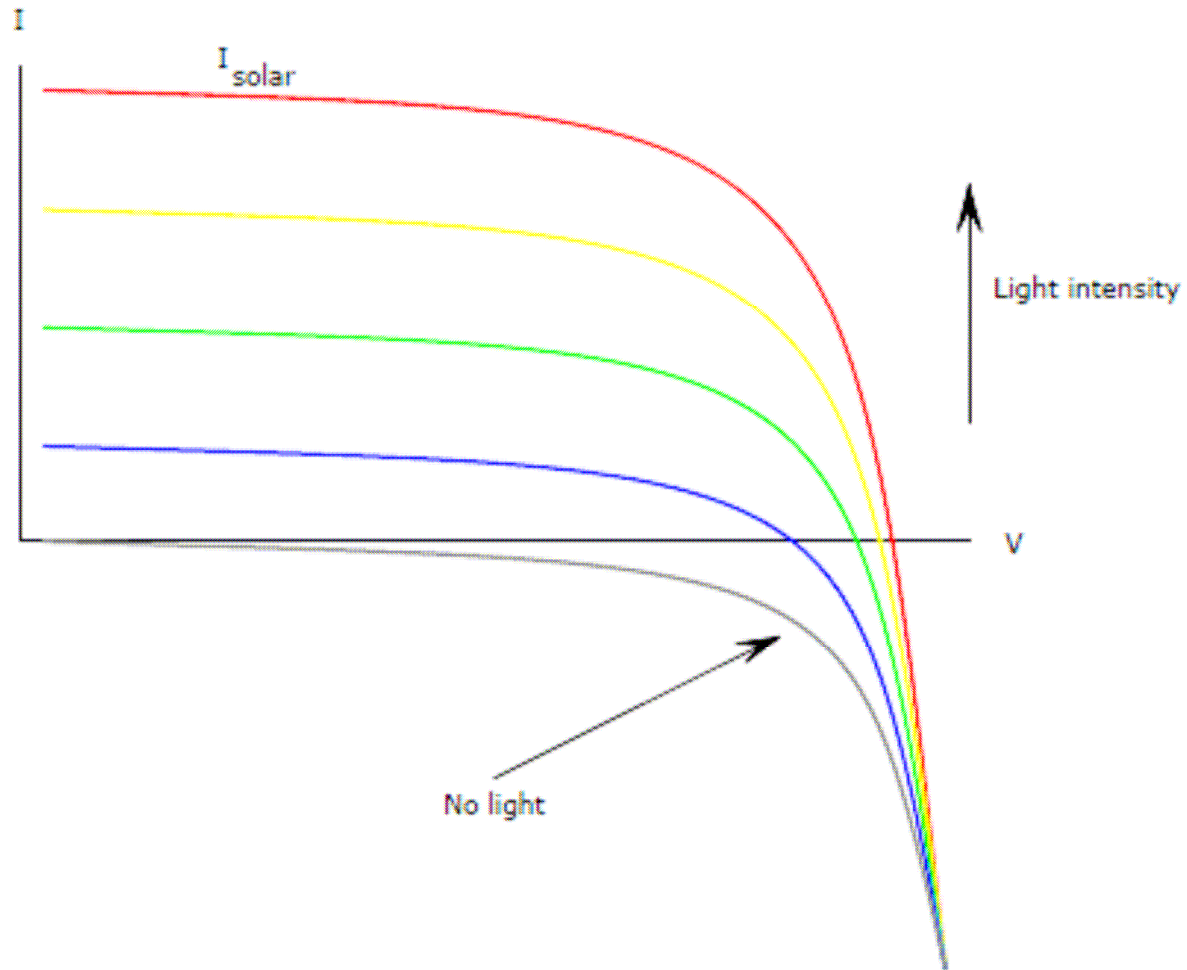


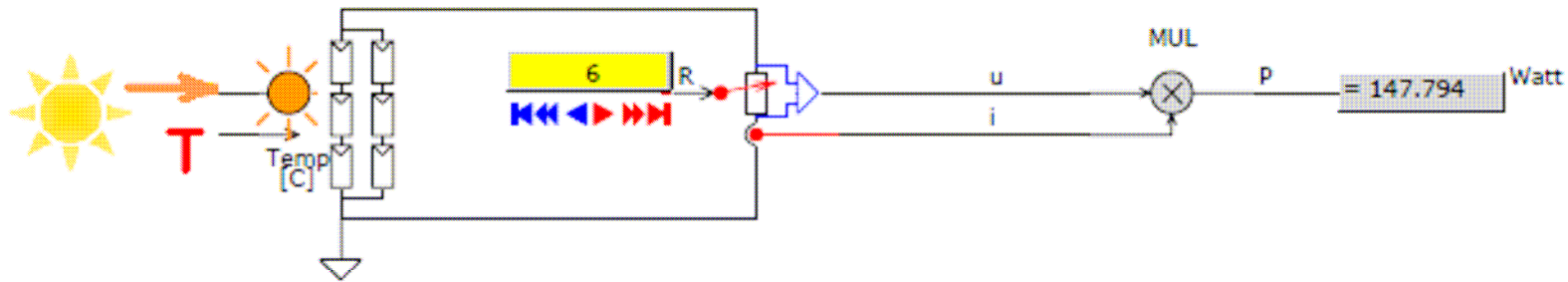
Solar module model in Caspoc



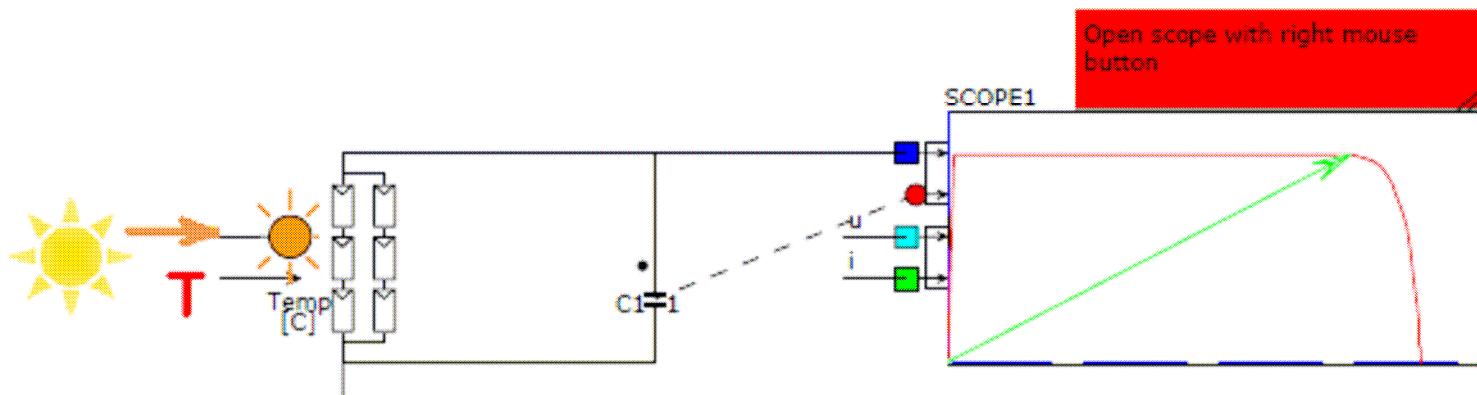
Basic solar model in Caspoc



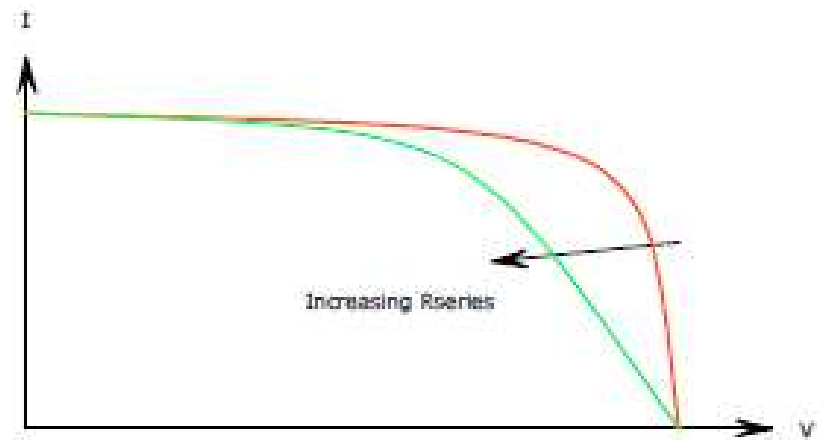
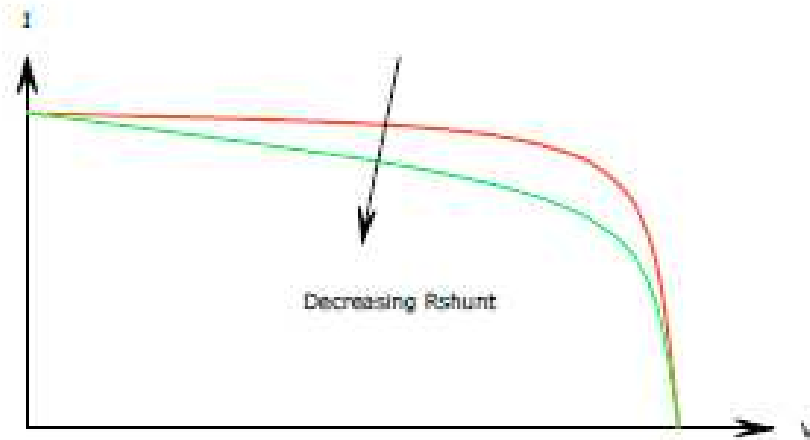
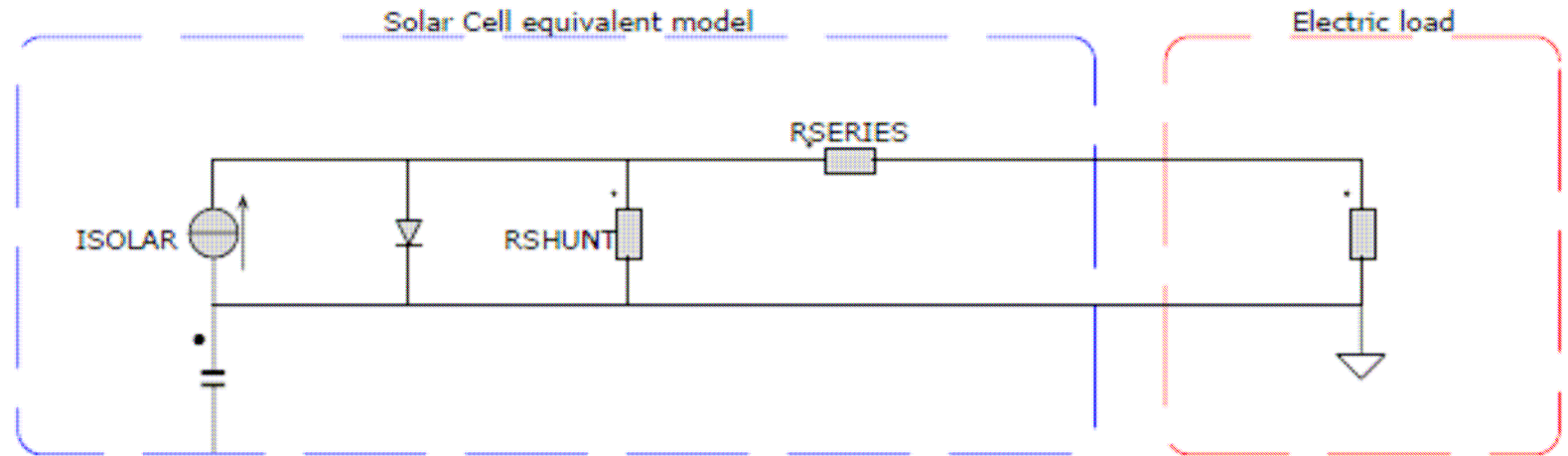
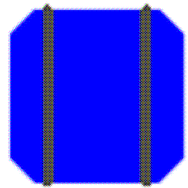
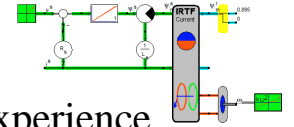




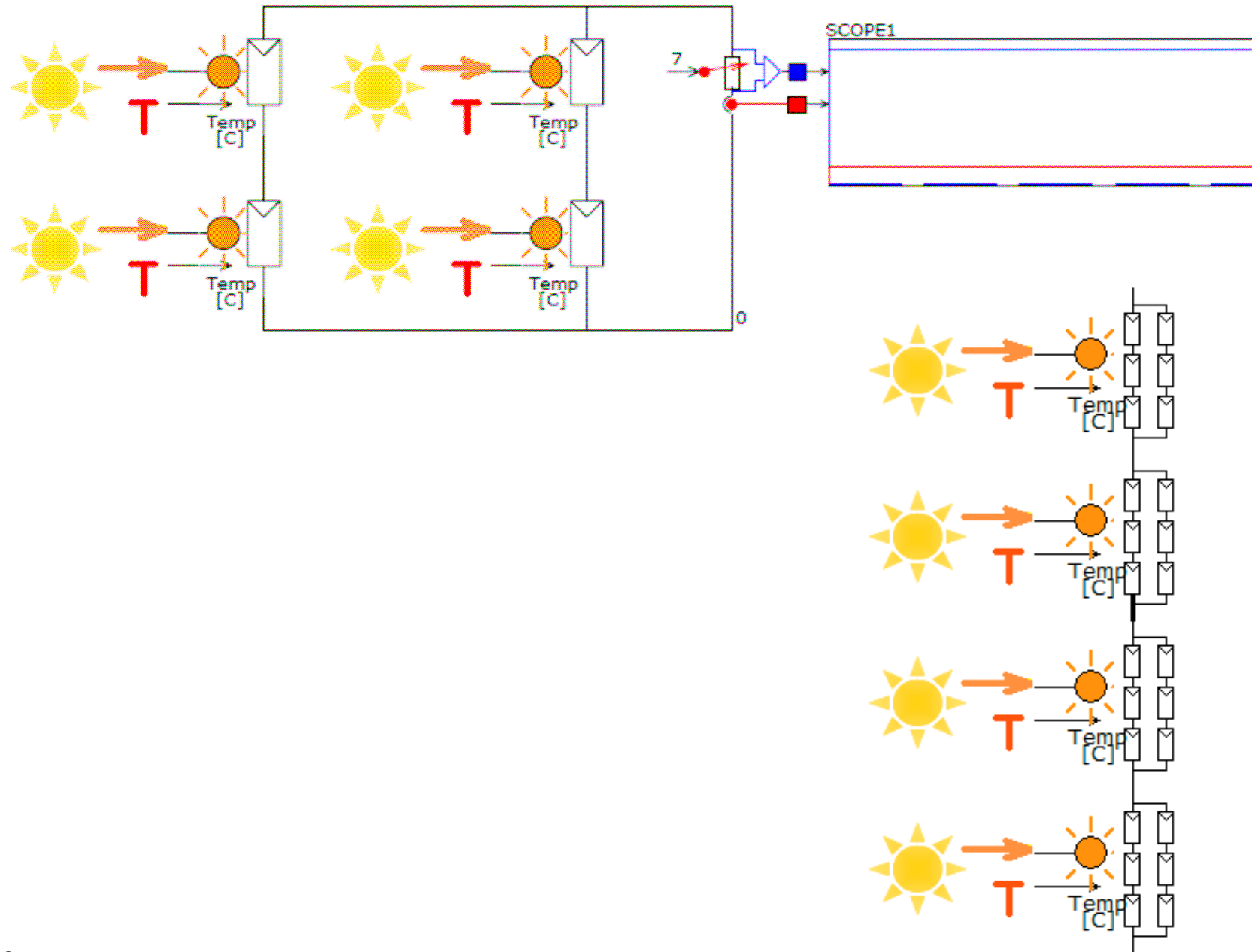
Change R from 1 to 20 to find the maximum power point

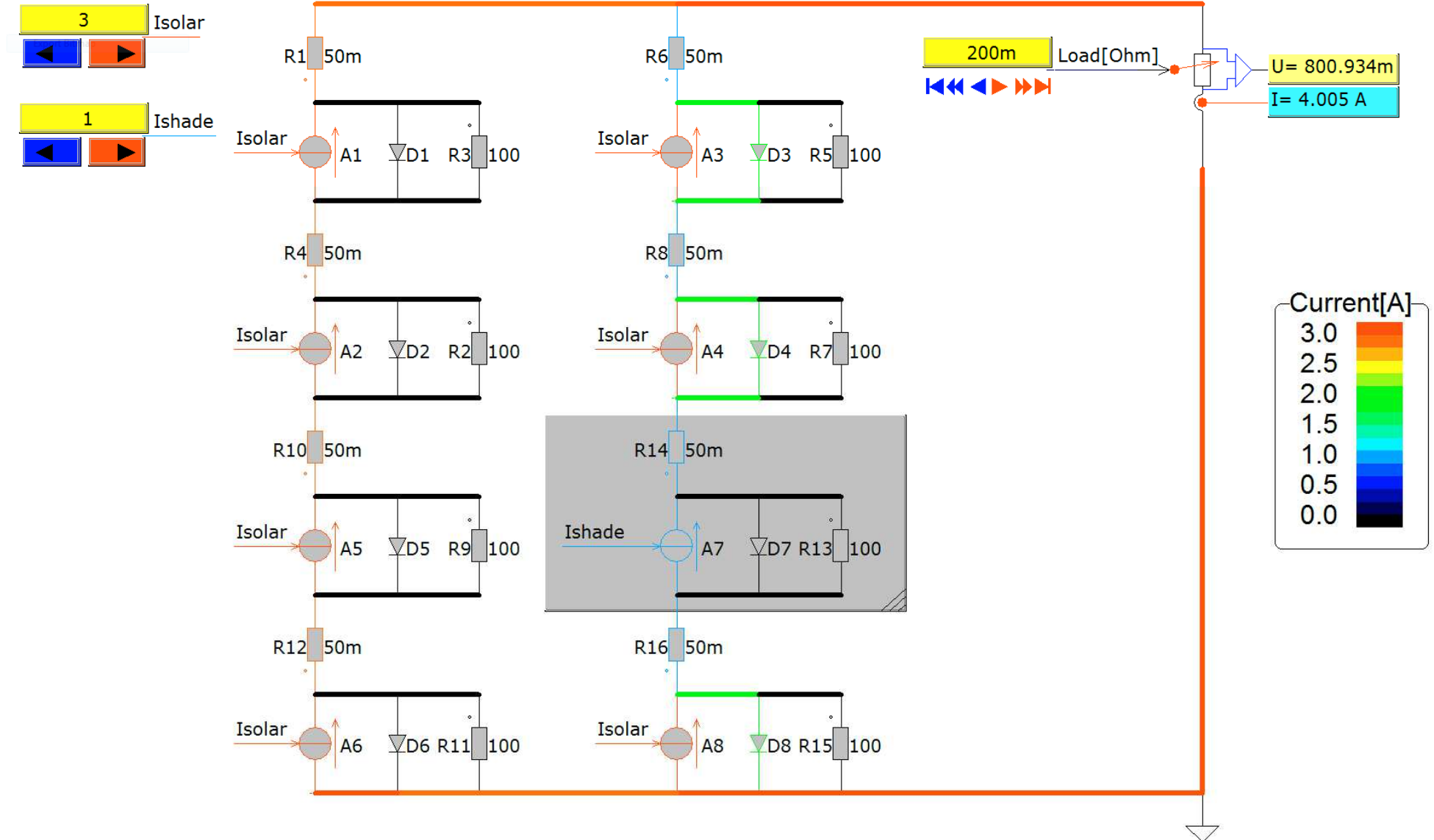
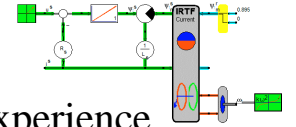


Series and parallel losses

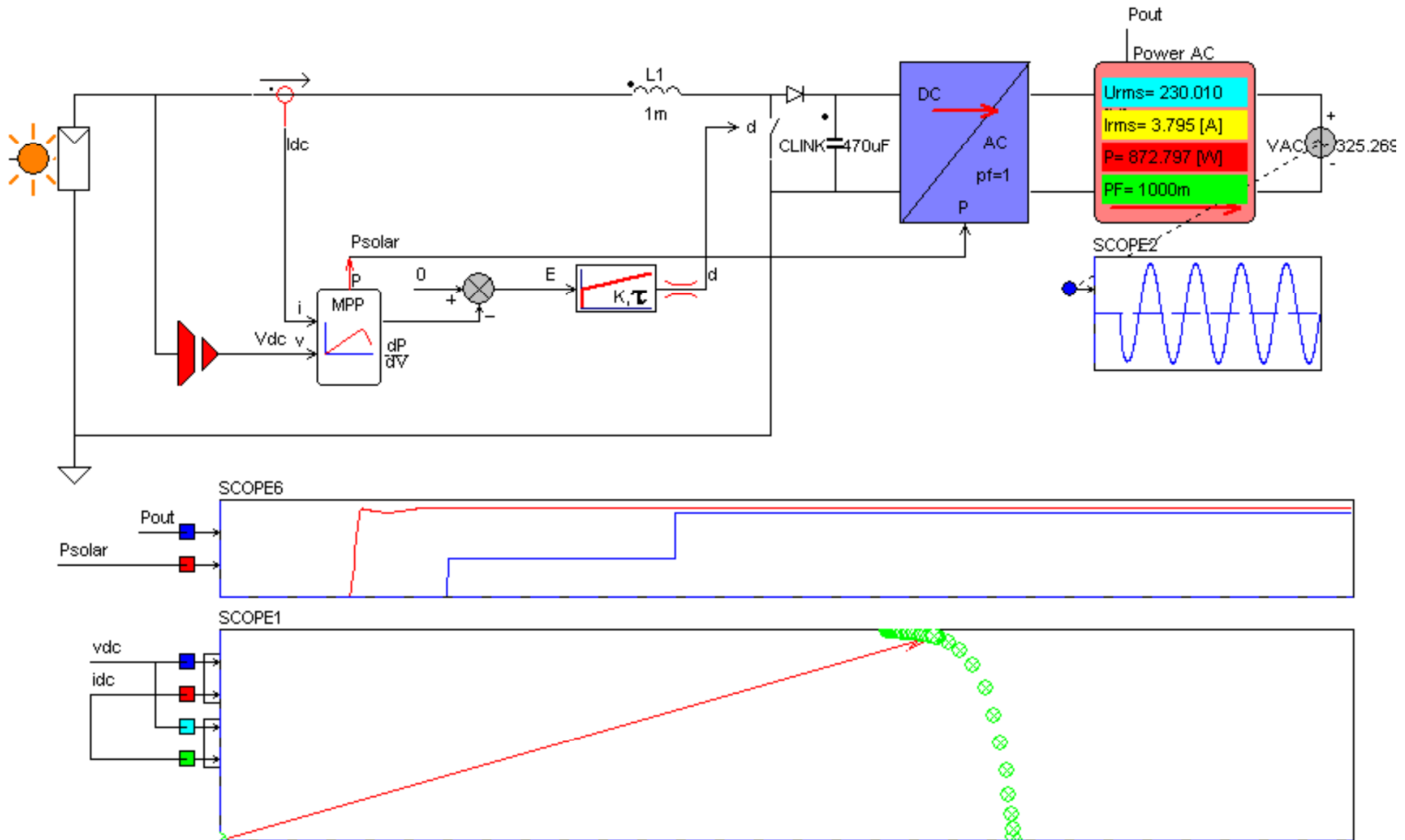


Series and Parallel, Module

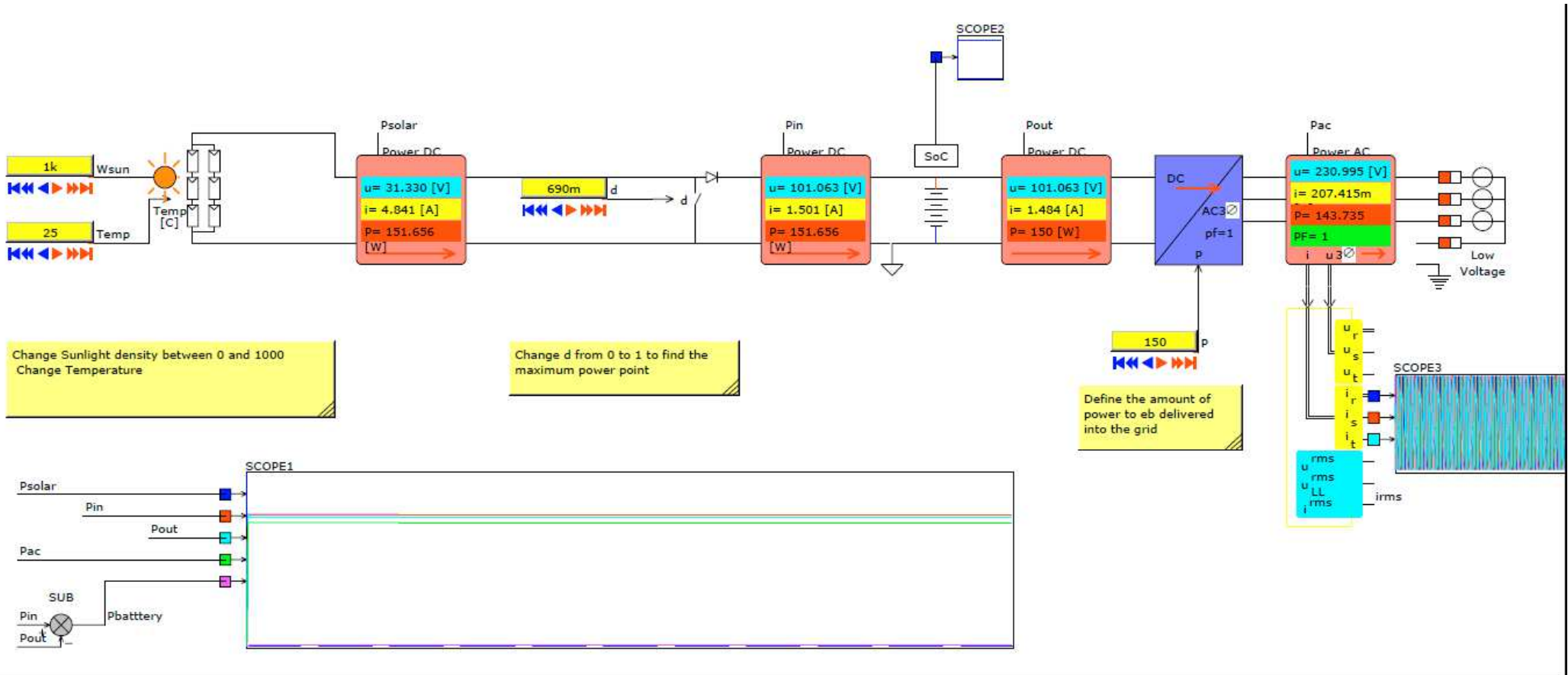


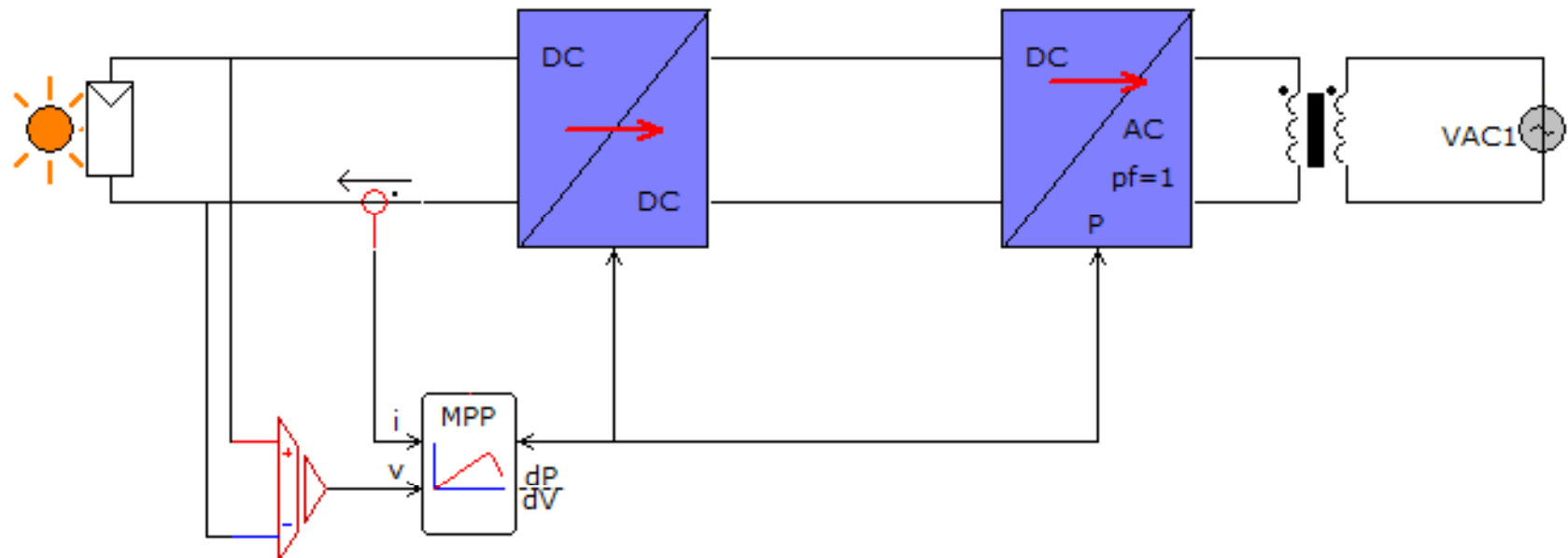
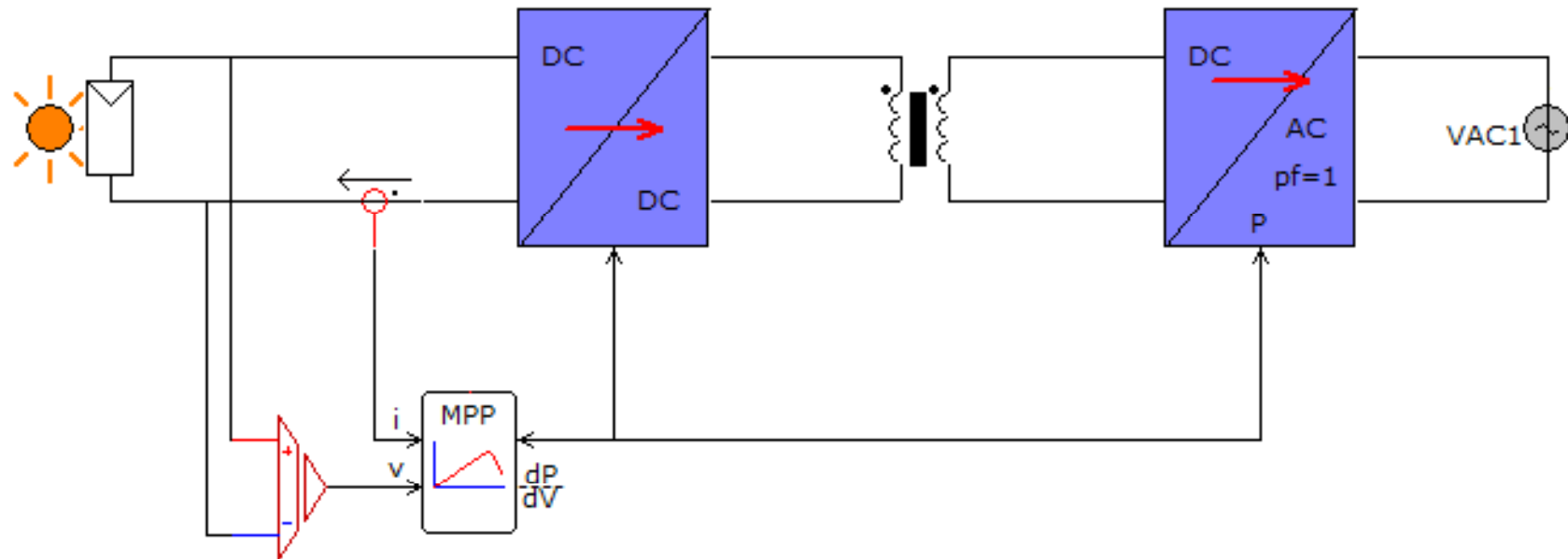


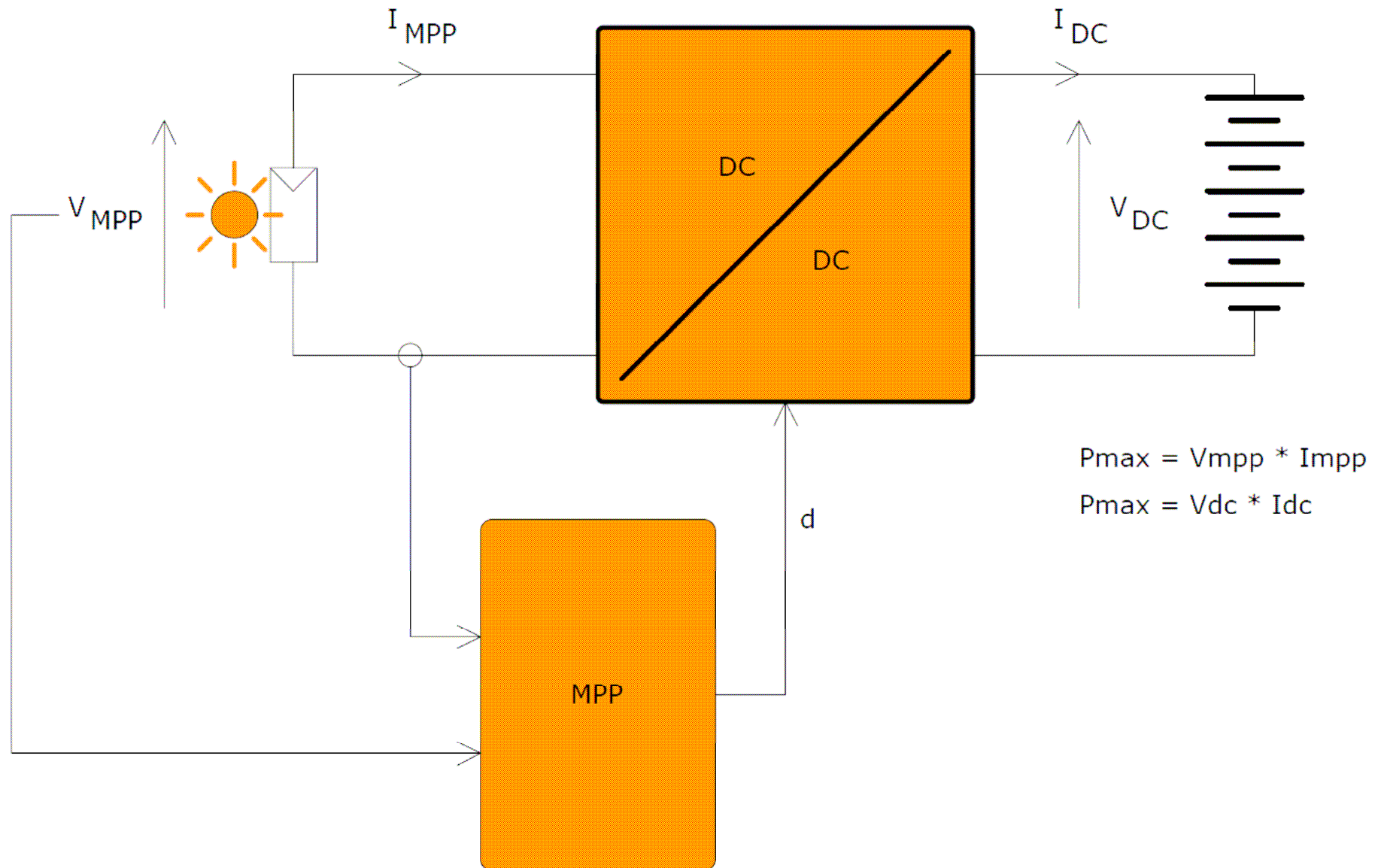
MPP control and single phase grid

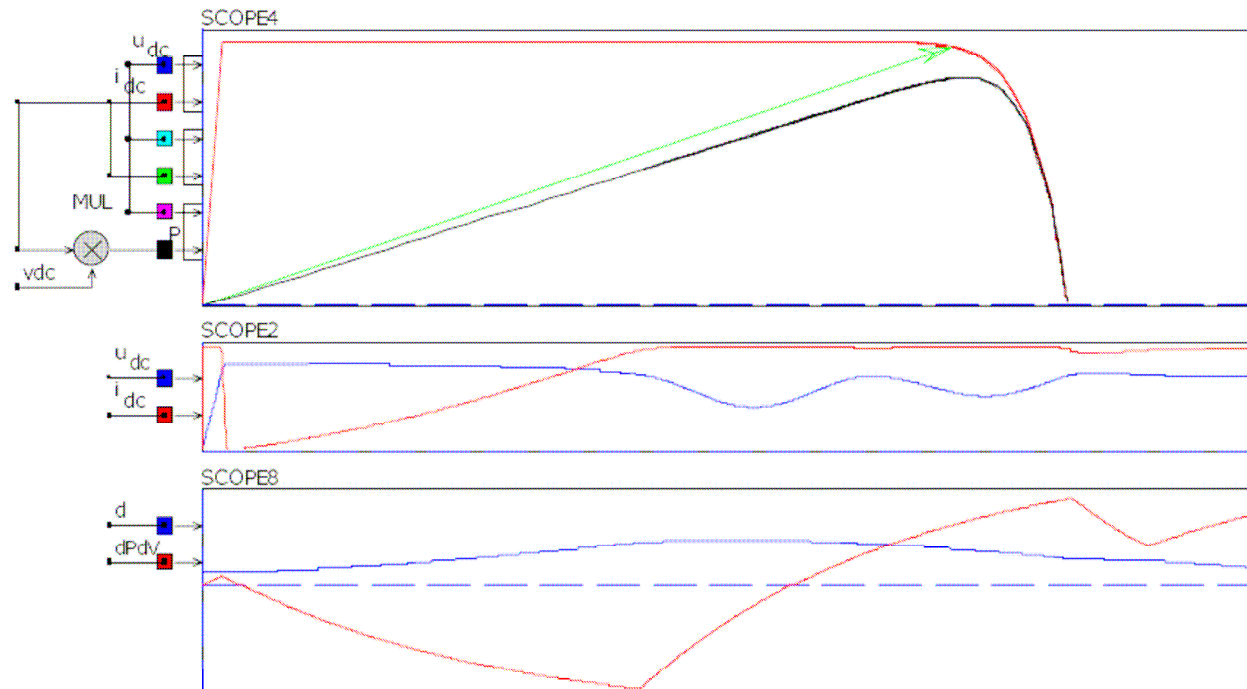
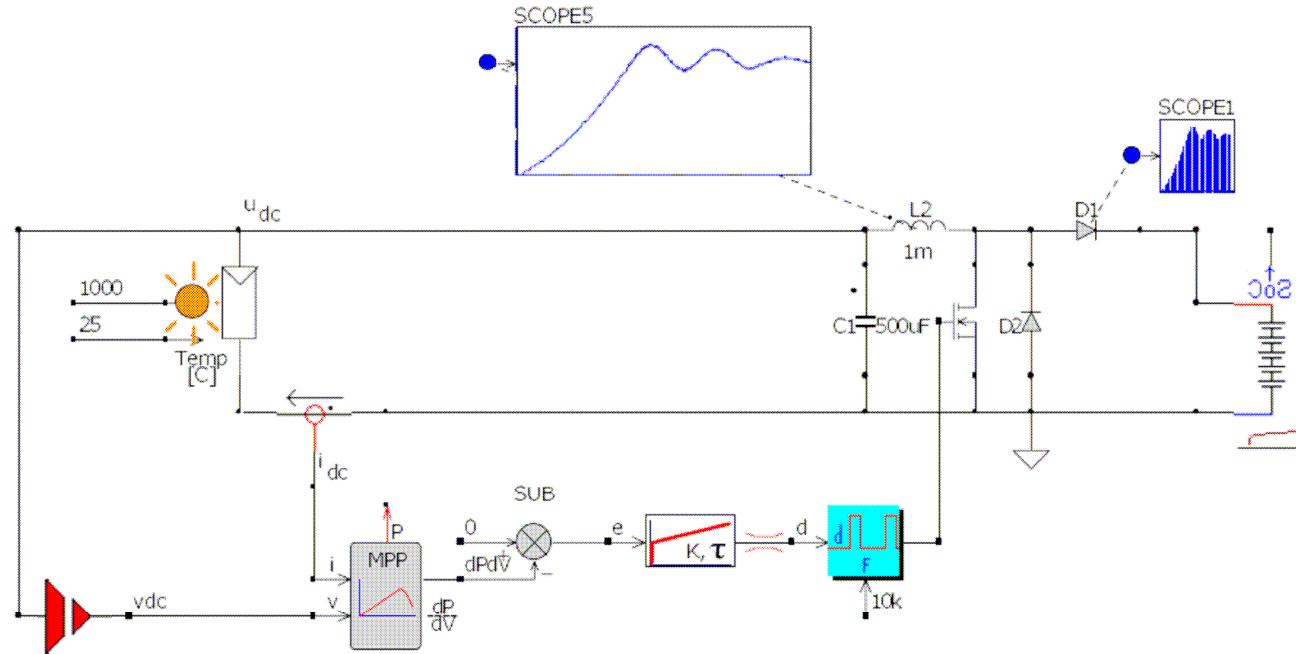


- Solar array
- DCDC converter
- Battery
- Grid converter









MPP control in the Boost Converter

