



# PLECS Web-Based Simulation

## Application

- ▶ Share PLECS models with a wide audience
- ▶ Demonstrate the performance of your products
- ▶ Build interactive courses and tutorials

## Features

- ▶ Complete PLECS capabilities
- ▶ Works in any browser
- ▶ Intuitive designer

See it in action



The screenshot displays the PLECS Web-Based Simulation interface. On the left, a schematic diagram of a "Diode Rectifier with Power Factor Correction" is shown, featuring components like an EMI Filter, a diode bridge, a controller (ICE1PCS2), and various sensors for electrical and thermal measurements. In the center, two simulation plots are presented: "Electrical" and "Thermal". The "Electrical" plot shows Mains current (A), Load voltage (V), and MOSFET current (A) and gate signal over time. The "Thermal" plot shows Junction temperatures (°C) and Heat sink 1 temperature (°C) over time. To the right, a detailed 3D surface plot titled "Example IGBT (IGBT)" shows IGBT loss (E [J]) as a function of Temperature (25 °C and 125 °C) and Ion [A]. The interface includes a "Simulation Control" section with buttons for "Simulate", "Steady-state", and "Hold Result".

One model. Infinite possibilities.