

eDesignSuite

The smart way to design your application



The easy-to-use software suite to accelerate your time to market

eDesignSuite helps experienced and novice designers transform application requirements into complete solutions based on ST's rich product portfolio.

The suite includes three types of software tools:

Smart simulator and system design engine suggests products and a complete design for various application types.

Smart selectors display the types of products best suited to your application.

Configurators set the product parameters or configure a full application type.

KEY FEATURES

- Fully annotated and interactive schematics
- Set of analysis and simulation diagrams
- Transformer:
 - off-the-shelf Würth Elektronik transformer proposal tailored on design specification
 - fully customizable transformer design
- User-friendly graphic interface

TARGETED APPLICATIONS

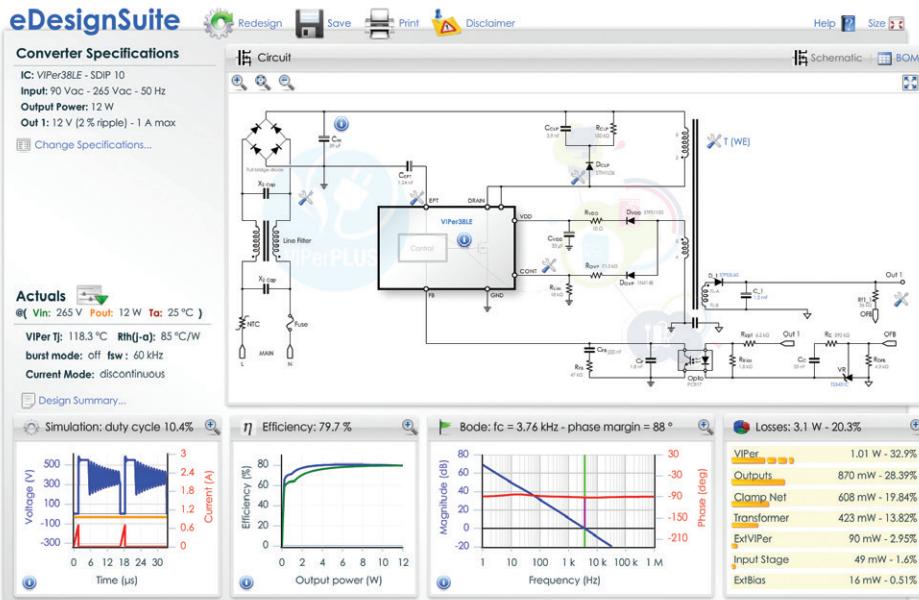
- Power supplies (AC-DC and DC-DC)
- LED lighting (AC-DC and DC-DC)
- Battery chargers (AC-DC and DC-DC)
- Photovoltaics
- Motor control
- Signal conditioning
- RF antennas



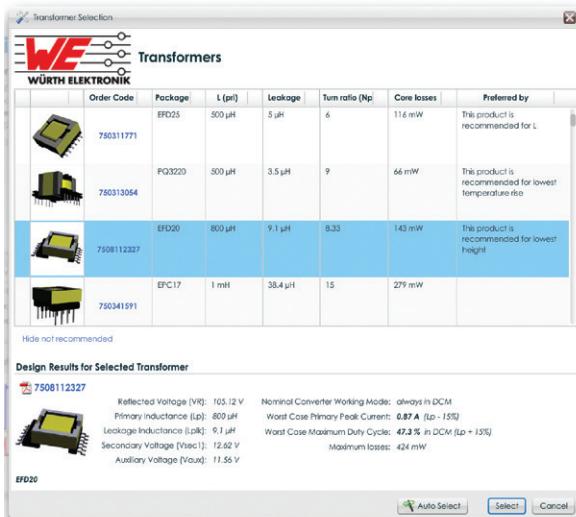
SMART SIMULATOR AND SYSTEM DESIGN ENGINE

The smart simulator and system design engine provides an analysis workbench for the design generated from the high-level specifications. It offers for various application types (power supply, LED lighting, battery charger, photovoltaics, signal conditioning, RF design):

- A fully annotated and interactive schematic diagram of the circuit
- Off-the-shelf Würth Elektronik transformer selection option or fully customizable transformer design
- A set of analysis diagrams, such as main current and voltage simulations, efficiency curves, bode stability, and power loss data
- An actuals view to evaluate the main performance characteristics of the design
- A specification view showing the key configuration parameters of your design
- A complete and interactive bill of materials view
- A set of commands enabling the user to make design modifications



Design result overview



Off-the-shelf Würth transformer proposal view



Custom transformer design view

