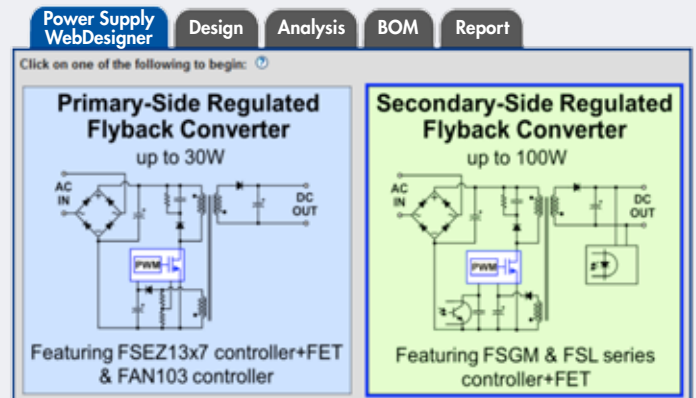


Power Supply WebDesigner (PSW)

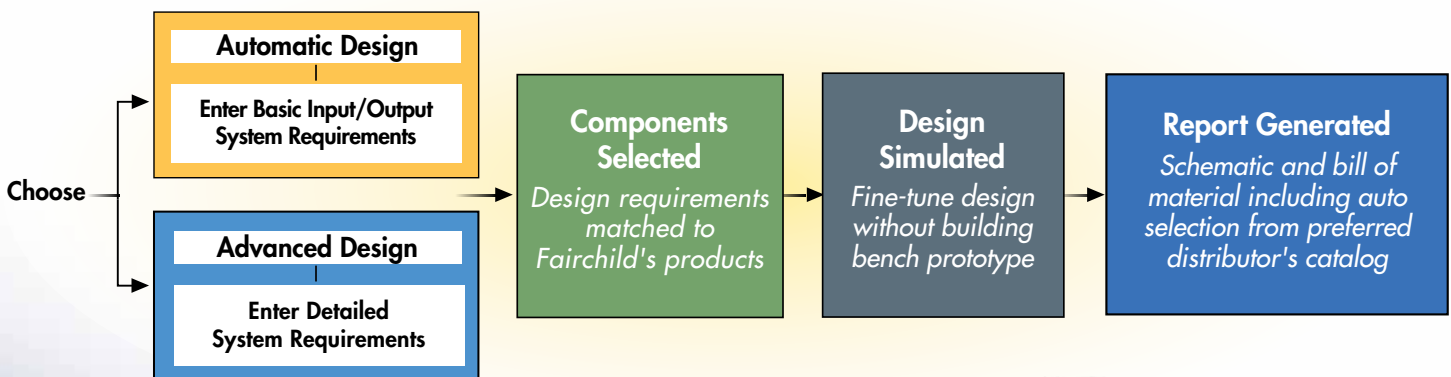
www.fairchildsemi.com/powersupplywebdesigner

Flyback design & simulation in minutes—at no expense

Faster power supply designs—whether you are a power supply expert or not—are now a reality with Fairchild's Power Supply WebDesigner (PSW). This online design and simulation tool takes your specifications and provides a complete Primary-Side Regulated (PSR) Flyback Converter or Secondary-Side Regulated (SSR) Flyback Converter design. You get a schematic, simulated verification, and bill of material in minutes. Fine-tune design parameters without a bench prototype, swap component choices and perform detailed simulations and analyses—all with the ability to confidentially save your design for future reference.



With Fairchild's PSW, you can choose the topology that fits your design needs.



Applications

- SMPS for STB, DVD, DVCD players
- SMPS for home appliances, printer, scanner, facsimile, LCD monitor, LCD TV
- Battery charger for cellular phones, cordless phones, digital cameras, power tools

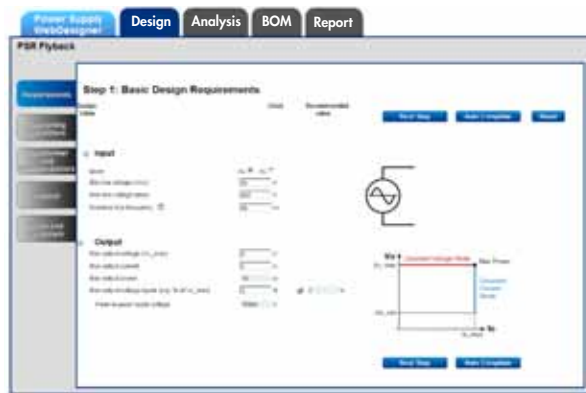


Visit our website at: www.fairchildsemi.com/powersupplywebdesigner

Power Supply WebDesigner can create both PSR and SSR Flyback converter designs in two ways:

- *Automatic Design* allows you to enter just basic system requirements and click *Auto Complete*; a complete schematic and BOM is created.
- With the *Advanced Design*, you can enter more detailed system information and create a customized design. After fine-tuning your system requirements, click on *Next Step* to be guided through step-by-step system specifications.

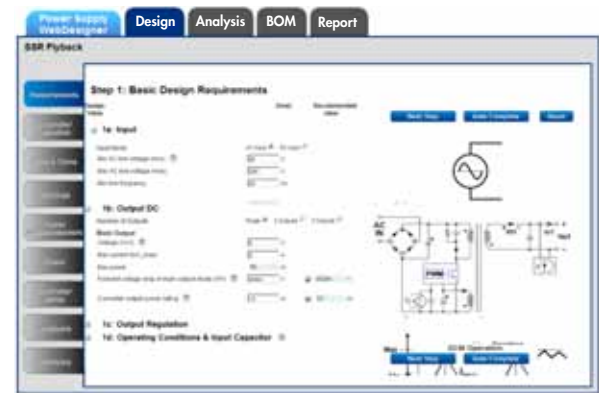
Primary-Side Regulated Flyback Converter Tool



When to use the Primary-Side Regulated Flyback Converter tool:

- Power supply requirements of <30W
- Lower system cost: no optocoupler feedback circuit

Secondary-Side Regulated Flyback Converter Tool



When to use the Secondary-Side Regulated Flyback Converter tool:

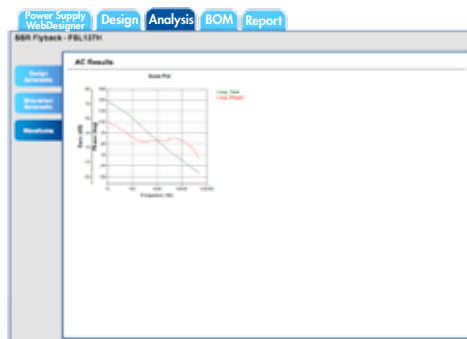
- Power supply requirements of <100W
- Higher system cost: tighter dynamic line/load response from optocoupler feedback circuit

Gain Confidence in Your Design Before Investing in Hardware

Powerful online simulation provides any of the following in less than one minute:



Transient Analysis Waveforms



AC Analysis Waveforms



Steady-State Analysis Waveforms

Measure your design performance with PSW Bode plots as well as steady state and transient wave forms—so it will work the first time. And your complete energy-efficient flyback converter design is complete in minutes, as opposed to weeks. Save engineering time and costs with Power Supply WebDesigner—without being a power expert.

For more information send email to: powersupplywebdesigner@fairchildsemi.com