



Power Supply WebDesigner™ to Design and Optimize your Power Supply

Power supply design and simulation in minutes—online and cost-free

POWER SUPPLY WebDesigner™

POWER SUPPLY	LED LIGHTING	POWER TRAIN LOSS
LOAD SWITCH	MOTION CONTROL	DOWNLOADABLE DESIGN TOOLS

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Get started by selecting the appropriate application area above.

START DESIGN

Power Supply WebDesigner™ offers a suite of time-saving tools to design and optimize your power supply. Device selection, system design, analysis, and simulation takes only minutes because we’ve built the models, calculations, and iterative steps of power supply design into the tools. Created for both novice and experienced engineers, Power Supply WebDesigner’s industry-leading capabilities and flexibility in automated design and simulation will increase your effectiveness, efficiency, and confidence without the need for trial-and-error design with a hardware prototype. Start saving days to weeks on your design cycle today.

With Fairchild’s Power Supply WebDesigner, you can choose the tool and topology that fits your design needs.

Online Tools Listing

<p>Power Supply Enter your custom specifications for complete flyback, high-voltage buck, and high-efficiency Point of Load converter designs</p>	<p>LED Lighting Get optimum LED power supplies quickly and efficiently</p>	<p>Power Train Loss Accelerate discrete component selection based on your electrical and mechanical specifications</p>	<p>Load Switch A flexible environment for quick and easy component selection, schematic and waveform review, and performance evaluation</p>	<p>Motion Control Efficiently calculate power loss and temperature rise in Motion SPM® modules</p>	<p>Downloadable Excel Tools A wide variety of downloadable design tools and calculators for specific Fairchild parts and portfolios</p>
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Applications

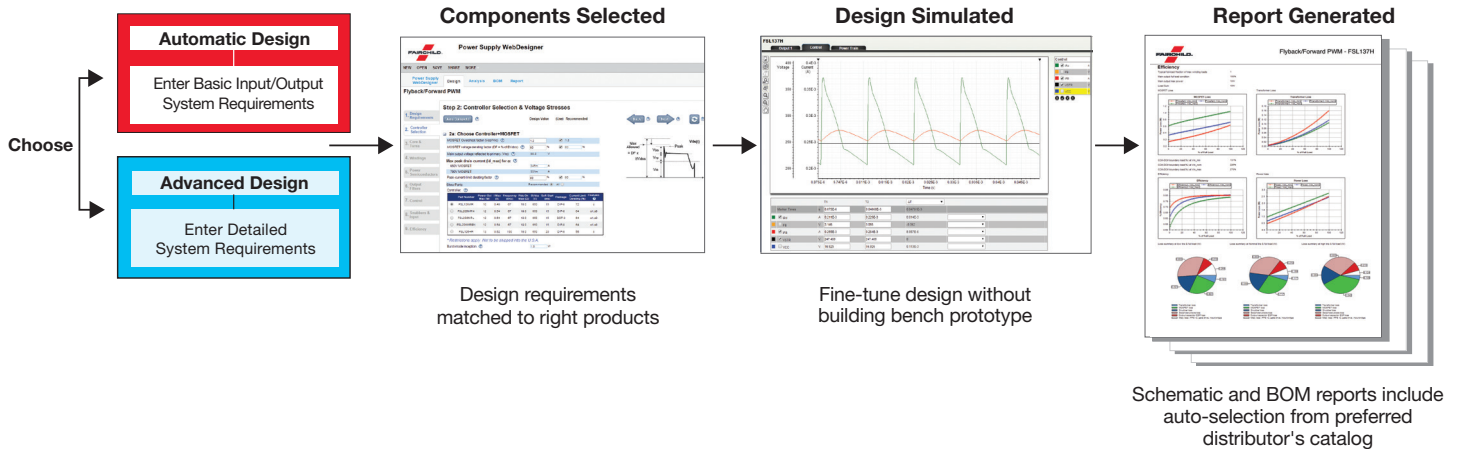
- Battery chargers
- Home appliances
- Auxiliary power supplies
- Consumer electronics
- Industrial motors
- LED Lighting
- Test & Measurement and Smart Meters



Power Supply WebDesigner™

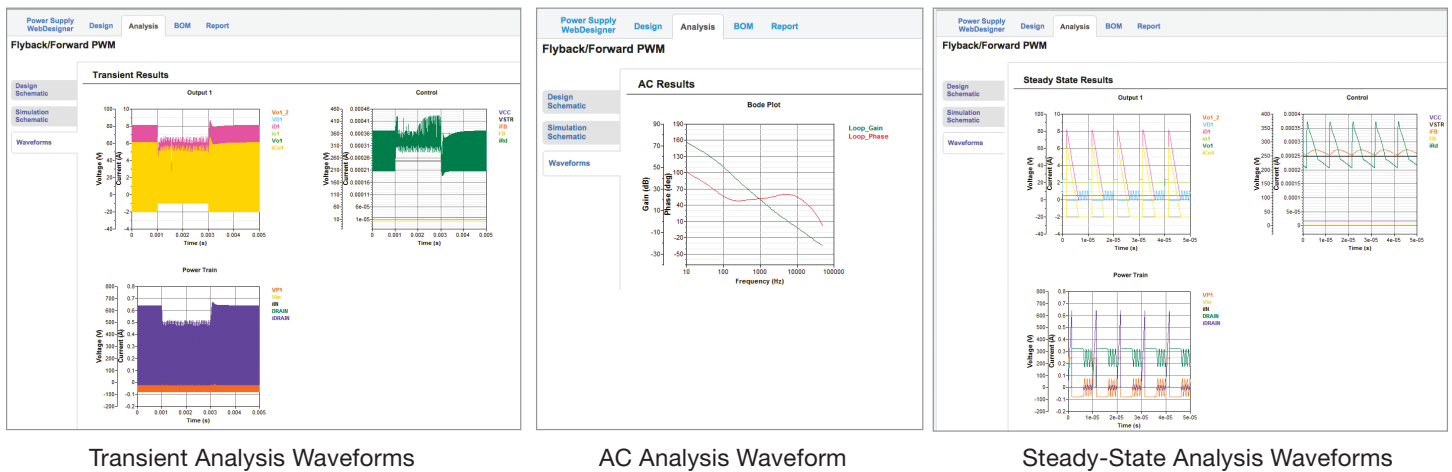
Power Supply WebDesigner™ creates designs in two ways:

- **Automatic Design:** Enter basic system requirements and click *Auto Complete* to instantly create a design and deliver a complete schematic and BOM.
- **Advanced Design:** Enter detailed system information and create a custom design in minutes. After fine-tuning your system requirements, click *Next Step* to be guided through step-by-step system specifications.



Gain confidence in your design before investing in hardware

Powerful online simulation provides the following in less than a minute:



Measure your design performance with Bode plots, as well as steady-state and transient waveforms. Your complete energy-efficient design is done in minutes, as opposed to weeks. Save engineering time and costs with Power Supply WebDesigner — without being a power expert.

To start a design now, visit fairchildsemi.com/powersupplywebdesigner

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