

PI Expert™ 設計ツール

仕様を実際の電源設計に素早く変換して以下を提供します。

- 設計要件に適合する、PIの最適な製品
- 全体の回路図とBOM
- 推奨基板レイアウト
- 完全な製造方法を含むトランス設計
- パフォーマンスの最適化

オフライン電源の設計を簡素化

The screenshot displays the PI Expert Online web application interface. The main area shows a detailed schematic of a flyback power supply design. The circuit includes a transformer (T1), a MOSFET (M1), a diode (D6), and various passive components like resistors (R1-R12) and capacitors (C1-C10). The output is labeled as 12.0 V, 2.00 A. The interface includes a menu bar (File, Edit, View, Active Design, Tools, Help) and a toolbar with icons for file operations and design actions. A green status bar at the top right indicates "Design Passed (Optimization Done)".

On the right side, there is a "Specification" panel with the following details:

- Topology: Flyback
- Family: InnoSwitch3-EP
- Package: C (INSOP-340)
- Breakdown Voltage: 750 (PowGaN)
- Feedback Type: Secondary Divider
- Line Frequency: 50
- Input Voltage Type: Universal (85 - 265 V)
- Use SR on Main Output: YES
- Total Peak Power: 24.00
- Current Limit Mode: Standard

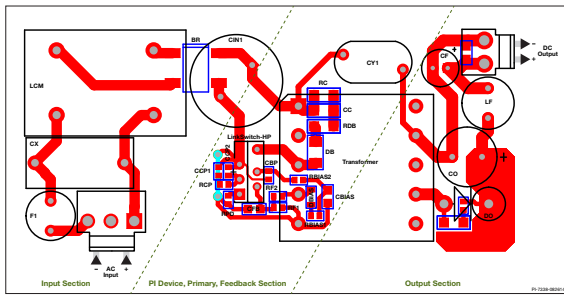
Below the specifications, there is a "Documentation" section with links to product pages, data sheets, and design examples.

PI 製品に対応

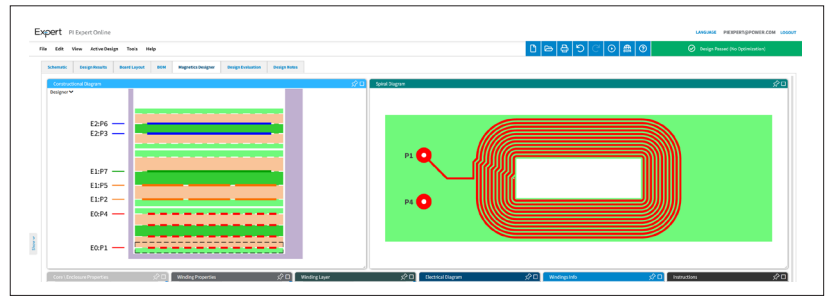
| PI 製品 | PI Expert | PI xls Designer |
|--|-----------|-----------------|
| BridgeSwitch™ | | X |
| DPA-Switch™ | X | X |
| Hiper™ Families | | X |
| InnoSwitch™ | | X |
| InnoSwitch3 | X | X |
| InnoSwitch4 | | X |
| LinkSwitch™-II, 3, 4, LP, TN, TN2, XT2 | | X |

| PI Product | PI Expert | PI xls Designer |
|-------------------------------|-----------|-----------------|
| LinkSwitch-CV, HP, PH, PL, XT | X | X |
| LinkSwitch-TNZ | | X |
| LinkZero™-AX, LP | | X |
| LYTSwitch™-6 | X | X |
| LYTSwitch-0, 1, 2, 3, 4, 5, 7 | | X |
| TinySwitch™-III, 4 | X | X |
| TOPSwitch™-HX, JX | X | X |

推奨レイアウト



Magnetics Designer - 平面型トランス



始める

オンライン

PI Expert Online (www.power.com/pi-expert-online)

ダウンロード

PI Expert Suite ソフトウェア (for desktop) (www.power.com/pi-expert-download)

設計サポート

ビデオ

PI Expert の紹介 (www.power.com/pi-expert-video)

ビデオ

PI Expert が新たに平面型トランス設計に対応 (www.power.com/video/pi-expert-planar)

ウェビナー

PI Expert Online の紹介 (www.power.com/webinar/pi-expert-pt1)

ウェビナー

PI Expert Online でのトランス設計 (www.power.com/webinar/pi-expert-pt2)

ウェビナー

PI Expert Online を使用した最先端の電源設計 (www.power.com/webinar/pi-expert-pt3)