

Open-Frame Modified Standard Solutions

AC-DC open frame power supplies offer a strategic advantage for product developers seeking speed, reliability, and efficiency.

Leveraging established platforms, these solutions reduce development risks and accelerate time to market, enabling faster revenue generation. Their cost-effective design minimizes engineering overhead, while tailored configurations ensure the proper fit into your solution. With models that meet ITE and Medical safety standards, they also ensure compliance from the start—making them an ideal foundation for your next power solution.



Why Advanced Energy

Extensive Standard Portfolio: Our broad range of power products allows us to quickly identify and adapt the best solution for each customer.

Fast, Cost-Effective Modifications: Our modifications help deliver tailored power solutions faster and at lower development costs than full custom designs.

Competitive Advantage: Unlike many competitors, we welcome modifications, to offer more flexibility and responsiveness.

Dedicated Engineering Support: A global network of engineers ensures expert execution and rapid turnaround for modified solutions wherever you are located.

COMMON MODIFICATIONS



Electrical

- Output voltage setting
- Reduced leakage current
- Low noise performance
- EMI enhancements



Connectivity

- Cable and wire assemblies
- Connector modifications
- Bus bar design
- Overmolding
- Covers/fans



Control

- Logic signal and timing changes
- Adaptive fan control
- Peak load and efficiency optimization



Packaging

- Conformal coating
- Ruggedization
- Shielding for high magnetic environments
- Custom mechanical packaging

Success Stories

AE's modified standard products have been engineered to meet complex application requirements—delivering optimized performance, regulatory compliance, and accelerated deployment across diverse industries:

01 CUSTOMIZED OCP



SL POWER

MINT3110

SOLUTION

Modify OCP timing for higher peak current on turn-on.

Customers met critical product launch on time.

02 CUSTOM PACKAGING



SL POWER

NGB425

SOLUTION

Packaged NGB425 in chassis with fan cover, identical terminations for drop-in replacement.

New PSU reduced costs.

03 MEDICAL SAFETY



SL POWER

NGB660

SOLUTION

Reduced leakage current levels to allow compliance to system-level Medical Requirements.

04 MODIFIED CONNECTORS



SL POWER

SLB65

SOLUTION

Replaced connectors with wires and connectors to help speed up implementation into the end system.

Solved connector disengagement issues caused by user mounting position.

Let's Build the Right Power Solution Together

AE delivers tailored power solutions—modified or custom—to meet your performance, compliance, and launch goals. Our engineers collaborate closely with you, backed by fast, responsive support to keep your projects on track.

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