



# Data Center Cabinet AC DC Integrated Project EPC

Source: <https://esafet.co.za/Mon-09-Jan-2023-24100.html>

Title: Data Center Cabinet AC DC Integrated Project EPC

Generated on: 2026-03-17 12:57:17

Copyright (C) 2026 ESAFETY SOLAR CONTAINER. All rights reserved.

---

Design GaN-based DC/DC converters for your data center applications to improve power usage efficiency & see why EPC GaN products are the best in the market.

The BIT-IDC Data Center is a high-standard, integrated intelligent computing center. Built in strict accordance with Uptime Tier 3 standards, it also meets LEED certification requirements:

The EPC 5kW reference design supports a modular power architecture scalable to 33kW, 48kW and as high as 108kW rack systems for less cost, delivering what is claimed to be industry ...

The EPC 5 kW reference design supports a modular power architecture scalable to 33 kW, 48 kW, and as high as 108 kW rack systems for less cost, delivering industry-leading efficiency ...

U.S.-manufactured, utility-scale power conversion systems built for mission-critical reliability and grid stability. EPC Power delivers resilient, secure energy solutions for AI, data centers, BESS, and solar ...

Discover why you should use EPC's GaN technology in data centers & servers. Learn about GaN's benefits for power efficiency, thermal management, and ROI.

GaN-based AC/DC converters offer superior power efficiency and improved performance over other power conversion solutions for your data center applications.

By moving from AC directly to 800V DC at the rack level, and then stepping down to 12.5V at the board, EPC says that its GaN-based solution eliminates unnecessary conversion stages ...

Website: <https://esafet.co.za>

