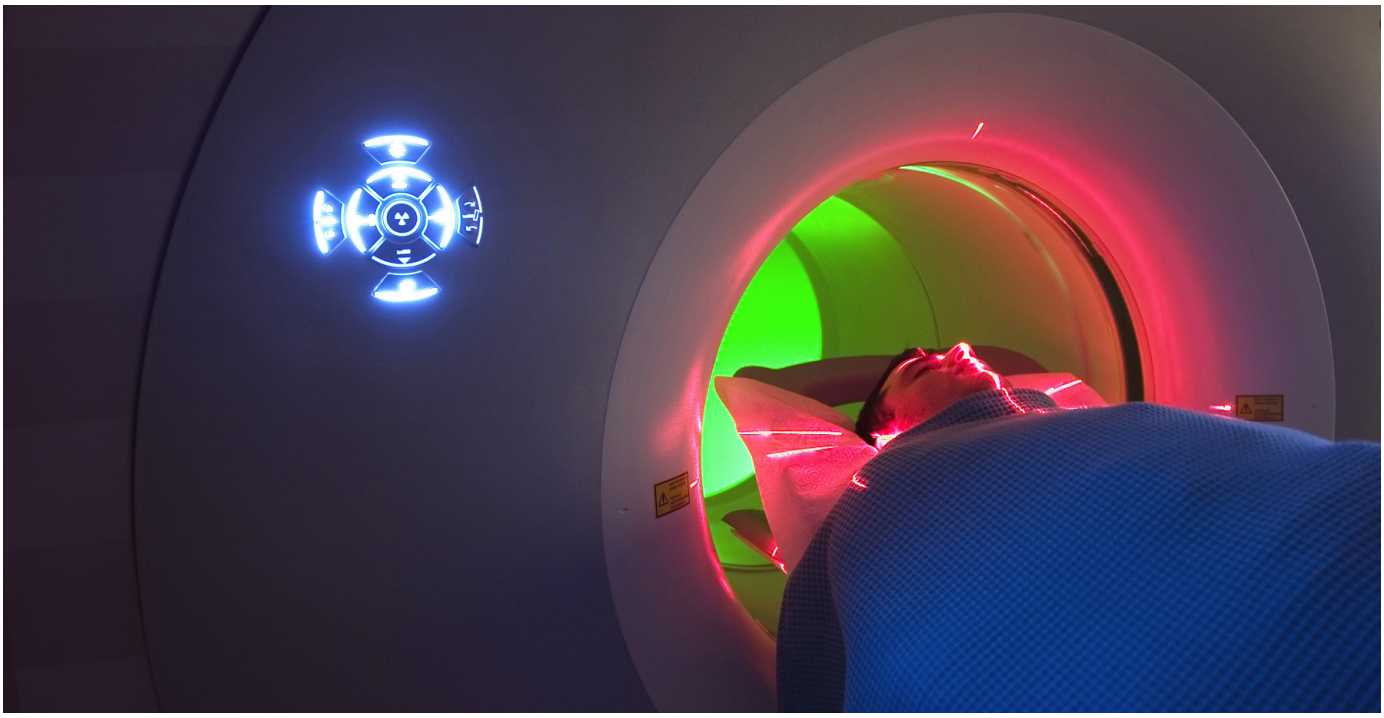
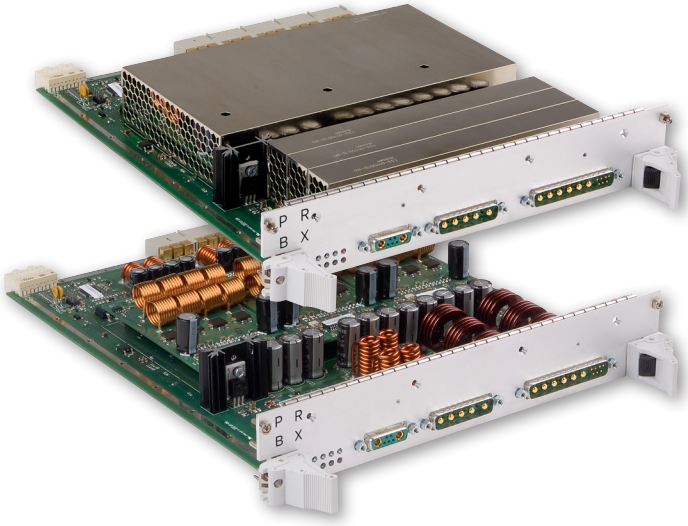


Power supply unit for MRT systems

The biggest challenge in developing the GB350 did not emerge until we started realizing the project. Since the power supply unit is used in a MRT system, it is exposed to a very strong magnetic field. This meant that we could not use an inductive unit with a magnetic core for this product.

The solution for this problem consists of a new technology. Newly developed coreless induction units allowed the power supply to operate flawlessly even in a strong magnetic field. In addition, we integrated an 80-dB shielding that shields the MRT system from interferences from the measuring system.



Features

→ Fully DSP-regulated converter
→ For use in strong magnetic fields
→ Ventilation with integrated speed control
→ 80dB screen for the front connectors
→ Special casing for optimized ventilation
→ New technology with magnetic coreless inductivity
→ 2.4 MHz switching frequency

Input

→ +13 VDC

Output

→ +6.90 VDC / 60 A
→ +3.45 VDC / 50 A
→ +1.65 VDC / 50 A

Dimensions

→ 280 mm x 9 HP x 6 U (DxWxH)

About Powerbox

Founded in 1974, with headquarters in Sweden and operations in 15 countries across four continents, Powerbox serves customers all around the globe. The company focuses on four major markets - industrial, medical, transportation/railway and defense - for which it designs and markets premium quality power conversion systems for demanding applications. Powerbox's mission is to use its expertise to increase customers' competitiveness by meeting all of their power needs. Every aspect of the company's business is focused on that goal, from the design of advanced components that go into products, through to high levels of customer service. Powerbox is recognized for technical innovations that reduce energy consumption and its ability to manage full product lifecycles while minimizing environmental impact.

For more information

Visit www.prbx.com

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2017.08.15