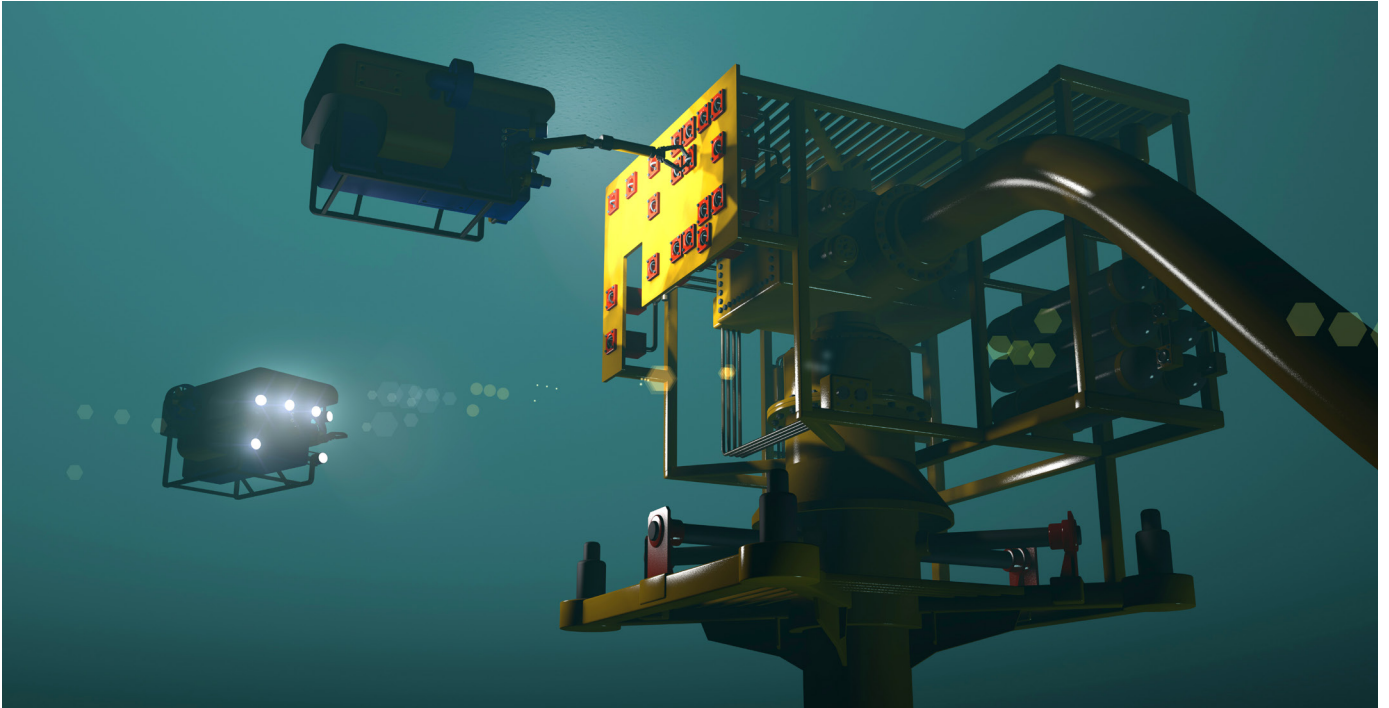


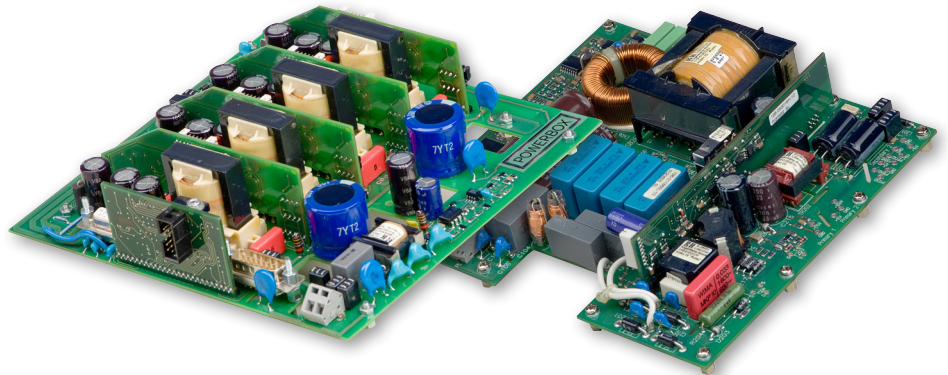
P R
B X

POWERBOX
VB500 Series



Power supply unit for subsea equipment

Keeping the distances between circuit cards constant despite high input voltages was the main challenge in this project. These products are extremely reliable – they have to be, because we need them to work for years at a time in the deep sea without maintenance service.



Features

- Active power factor correction (PFC)
- Cooling by natural convection
- High efficiency (>85%)
- Temperature protection
- Voltage and current measurement of each output via CAN-Bus
- CAN-Bus interface for diagnostic control
- RS232 interface
- Wide AC or DC input range
- Temperature range from -25°C to 80°C
- Inrush current free start-up
- All 24 VDC outputs are on/off switchable
- Current regulation /over current protection
- Redundant supply for the 24 VDC to hold up the data communication

Input Module

- Input 300-850VAC or 400-1500VDC
- Output 500W, 350VDC/1.4A

Output Module

- Input 300-380VDC
- Output 4 x 96W, 24VDC/4A
- Dimensions (DxWxH) 256 x 206 x 59 mm

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