Product Description

Power Paragon’s Advanced Degaussing System (ADS) provides controlled current to six independent de gaussing coils embedded throughout the hull of a ship.

The ADS provides the precise current required to generate a composite magnetic field to minimize the ship’s magnetic signature. These generated fields are produced by passing direct current through each de gaussing coil.

The ADS consists of two controllers that communicate to the ship’s de gaussing computer via copper ethernet, one Human Machine Interface (HMI), one Uninterruptable Power Supply (UPS) and six Bipolar Amplifier (BPA) power supplies.

The HMI controller is used to test, calibrate, configure, view and manage faults.

The BPA’s high fidelity current amplifiers produce controlled precise current to the ship’s de gaussing coils.

Available power rating for the BPA’s power supplies is 8.7 kW.

FEATURES

- Rack mounted interchangeable BPA’s
- Precise current control
- Automatic control
- Local HMI manual control and monitoring
- Ground fault monitoring
- Overheating protection
- EMI compliant
- LED BPA status indicators
- Windows-based operating system
- Redundant controllers
- Five-minute controller backup power
- Low input voltage compensation

APPLICATIONS

- Shipboard de gaussing

SUPPORT SERVICES

- Installation
- Field service
- Training
- Documentation and provisioning
**Product Description**

**Advanced Degaussing System (ADS)**

**Military Specifications**
- Shock: MIL-S-901D Grade A Class 1 Type A
- Vibration: MIL-S-167-1 Type 1
- EMI: MIL-STD-461

**Physical Characteristics**
- Width: 23.87 Inches (60.63 Cm)
- Height: 70.00 Inches (177.8 Cm)
- Depth: 27.59 Inches (70.08 Cm)
- Weight: 803 Lbs (364.2 Kg)

**Functional Ratings**
- Input Power: 375 VDC ± 8%
- Output Power: ± 350 VDC ± 24 AMPS
- Output Ripple: <240 mA
- Continuous Duty
- Output response speed: ≥ 5 degrees per sec
- Accuracy: ± 120 mA of commanded current

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**System Overview**

- **Input Power**: 375 VDC
- **Output Power**: ± 350 VDC ± 24 AMPS

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