

UPS for Marine Use

A well-known manufacturer of dynamic positioning systems for civil and military naval purposes turned to Gamatronic to provide them with a unique UPS for use with their positioning systems. Again, it was crucial that the UPS be able to withstand the marine environment.

All system elements of the UPS were installed as independent modules. The advantage of the modular setup is the ease of repair, since it is possible to replace only individual modules as necessary, rather than the entire unit.

The UPS was enclosed in a protected 19" cabinet with frontal access for maximum use of the limited space available. Due to the variety of frequencies and voltages used in the many countries through which the ships traveled, this UPS operates on auto-frequency and with a wide range of voltages.

CAPACITY	1,2,4,6kVA
INPUT	110Vac to 440Vac Frequency 45Hz/65Hz 15%
OUTPUT	230Vac 50Hz/60Hz
DIMENSIONS	Height 56cm Width 81 cm Depth (including door with front panel) 46cm Weight (without batteries) 350Kg



UPS for Military Equipment Manufacturing Company

Gamatronic's services were commissioned to customize a UPS for powering control equipment on naval ships. Like the frequency converter produced for the Navy, this UPS needed to withstand the environmental conditions of the sea and protect the ship's sensitive equipment from electromagnetic and RFI emissions. Gamatronic created a UPS that met the company's stringent military standards, which included the following features:

CAPACITY	10kVA/8kW
INPUT	3X200/208x220Vac Voltage range +20%-15% Frequency 50Hz/60Hz 15%
OUTPUT	3X200/208/220Vac 50Hz/60Hz
DIMENSIONS	Height 98cm Width 62 cm Depth (including door with front panel) 48cm Weight (without batteries) 145Kg
STANDARDS	EMC: MIL-STD-461D/NAVY for surface ship, EN50091-2/MIL-STD 461C/462 Vibrations: MIL-STD-167 Environmental conditions: MIL-STD-810-F General shocks and vibrations: MIL-STD-167B and MIL-STD-901c Safety: EN50091-1 Design: ENV50091-3d



Battery Cabinet

UPS Cabinet

The two units are connected