

# Gmdss battery capacity test as per solas

What are the tests and maintenance requirements for GMDSS batteries?

This document discusses the various tests and maintenance requirements for GMDSS batteries as required by SOLAS regulations. It outlines the daily on/off load test to check connections and voltage drop under load. It also describes the annual capacity test to measure battery capacity in amp-hours by discharging the battery under a known load.

How often should GMDSS batteries be charged?

Batteries must be charged to the minimum required in less than 10 hours. Battery capacity should be checked at intervals of less than 12 months. Keeping GMDSS batteries in good condition is important to ensure that they are prepared for an emergency. Generally, GMDSS batteries carry out three types of tests /maintenance. Annual performance test.

Do GMDSS batteries provide power to GMDSS equipments?

GMDSS batteries provide power to GMDSS equipments in case ship's main as well as emergency power fail. The requirement of GMDSS batteries is governed by Regulation 13, Chapter 4 of SOLAS. As per SOLAS, GMDSS batteries should provide power to operate GMDSS for 6 hours in case GMDSS does not have the power from emergency generators.

How do I know if my GMDSS battery is good?

Various tests /checks ensure that GMDSS batteries provide the required power. A daily test under load /no load ensures that all connections are not damaged and that when loaded, the batteries do not drop too quickly. The annual capacity test measures the battery capacity in amperes.

How long does GMDSS battery last?

6 hours in case GMDSS does not have the power from emergency generators. Batteries must be recharged to the required minimum in less than 10 hours. The capacity of the batteries must be checked at interval of less than 12 months. Maintaining the GMDSS batteries in excellent condition is important to have them ready in emergency.

What is GMDSS daily on load / off load test?

1. Daily On Load / Off Load test  
1. GMDSS equipments can have the power from battery. This ensures that all the connections from the battery to the GMDSS equipments are intact.  
2. Battery is able to provide power during operation of the GMDSS equipments. That is when load is put on battery, it does not drain out too quickly.

The document discusses the testing and checking requirements for GMDSS batteries as required by SOLAS. It outlines the daily on load/off load test, yearly capacity test, and general maintenance requirements. The tests help ensure ...

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