

SolarInnovate Energy Solutions

Battery maintenance for San Marino base station



**European
Warehouse**



7-15 days
Delivery

ONE-STOP SOLUTION

65kWh 30kW

130kWh 30kW

130kWh 60kW

Overview

By this test we can ensure that: ✓ all contacts between the battery and the equipment are in normal condition, and the GMDSS equipment can be powered by the battery; ✓ the battery can supply the worki.

What are the requirements for GMDSS batteries?

Regulation 13, Chapter IV of SOLAS sets the following requirements for GMDSS batteries: Surely, to be ready for an emergency, the batteries must be kept in proper condition. For this, they should be periodically tested and checked. There are three types of tests: 1.

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 often should GMDSS batteries be recharged?

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. There are typically three type of tests/Maintenance done on GMDSS batteries.

How do you charge a GMDSS battery?

The GMDSS battery is usually in the range of 200 Ah which is needed to give 24V. To ensure that it still has 200Ah, we remove the batteries from charging and connections to GMDSS station (the existing load), then attach some known load to it. Usually a chain of several 100W bulbs is attached to the batteries terminals.

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.

Do onboard batteries need maintenance?

The onboard batteries do not need much of maintenance as such. There are two things that need to be checked. First is the electrolyte level and second is the specific gravity of the electrolyte. If you have maintenance free batteries onboard, you do not need to check anything on that except the conditions in which it is stored.

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Inspection and Maintenance of Battery Room Onboard

6 days ago · > Check for any abnormality externally, battery installation and its charging. > Battery room environment must be dry and well ventilated. > Battery tops shall be clean and dry, and ...

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