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RG® Series Storage and Boost Charging Recommendations to Insure Maximum Battery Life

Your Concorde RG® Series Battery has a maximum shelf life of 2 years when stored at temperatures below 68°F (20°C). However, the open circuit voltage (OCV) should be checked periodically and the battery should be boost charged if necessary.

As with all batteries, the self-discharge rate over time is directly related to temperature. While it is recommended that fully charged batteries be stored at temperatures below 68°F (20°C), Concorde Battery Corporation realizes this is not always possible.

The ship date from the factory is marked on the outside of the shipping carton and is the start of the shelf life time.

If batteries are stored for three months or longer at elevated temperatures, periodically boost charge the battery with constant potential (constant voltage) charging when the open circuit voltage falls below 25 volts for 24 volt batteries or 12.5 volts for 12 volt batteries. Avoid storing batteries at temperatures above 68°F (20°C) for more than 12 months without a boost charge.

If the OCV is 24.5 volts or lower for a 24 volt battery or 12.25 volts or lower for a 12 volt battery, condition charge the battery before installation with a constant current charge at the C/10 rate for 16 hours and then capacity test in accordance with Concorde's Instructions for Continued Airworthiness.

The battery OCV should be at or above 25.5 volts for 24 volt batteries or 12.75 volts for 12 volt batteries prior to installation. It is recommended that Distributors and Air Frame Manufacturers check to insure the state of charge of a battery prior to shipment or installation.

The Instructions for Continued Airworthiness are available at www.concordebattery.com