

PLEASE
PLACE
STAMP
HERE

TELEDYNE BATTERY PRODUCTS
840 W. BROCKTON AVENUE
REDLANDS, CA 92374

From

ATTN: PLACE STAMP AND MAIL OR PLACE INSIDE ENVELOPE AND MAIL

CHARGING BASICS

Correct charging is very important and will affect the overall life of the battery. The charging process is not 100% efficient and will typically be 10% to 20% higher than the amount of capacity removed during discharge. Review charging instruction provided with the battery.

Undercharging a battery occurs when the required 105% to 115% of the removed capacity is not returned during recharge. If this were to occur repeatedly, residual uncharged lead sulfate will eventually increase in the plates, making it very difficult to recover. In this case the battery will suffer a permanent loss of capacity.

Overcharging a battery will corrode the positive grids and break the water down to hydrogen and oxygen (electrolysis). This is quite detrimental to the life of VRLA batteries.

Charging efficiency is affected by temperature. Lower temperatures will require higher charging voltages and vice versa for higher temperatures.

Constant Current (CC)

This method uses a constant current throughout the charging period. Voltage will be as high as 2.67 volts per cell.

MUST have a functional timer to end charging

Excessive charging with this method will overcharge battery.

Useful in recovering deeply discharged batteries

Constant Voltage (CV)

This is the preferred method of charging.

Charger output voltage is constant – typically around 2.36 volts per cell.

Starting charge rates could be variable (3A to 10A). Charge current will drop down to less than 0.5A when complete

CONTINUED AIRWORTHINESS TESTING

If the user cannot discharge a battery at the recommended discharge rate, call Teledyne Tech Support for the appropriate discharge curve for that battery. This curve can be used to determine the discharge time to the appropriate end voltage (1.67 volts per cell).

MANAGING PERIODS OF NON-USE/LIMITED USE

To maximize the life of your GILL_{LT} battery, Teledyne recommends that the battery be checked every 6 months if aircraft is maintained at temperatures over 90°F or 12 months if less than 90°F.

BATTERY SAFETY

ALWAYS WEAR GLOVES AND SAFETY GOGGLES WHEN WORKING WITH BATTERIES

Batteries generate explosive gases. Keep sparks, flames, burning cigarettes or other ignition sources away at all times. MAKE SURE THERE IS ADEQUATE VENTILATION WHEREVER A BATTERY IS USED.

FOLLOW THE MANUFACTURER'S INSTRUCTIONS AT ALL TIMES.

RECYCLE YOUR SPENT BATTERIES RESPONSIBLY. CHECK YOUR LOCAL STATE / FEDERAL GOVERNMENT FOR PROPER DISPOSAL INSTRUCTIONS.

Please keep the GILL_{LT} Battery Log with aircraft/logbooks.

Keeping it Simple – A Guide to process your warranty.

Please fill form out completely. Battery failure must be reported within 7 days of failure or it will be date reported. **Incomplete forms will be rejected/returned.** User must obtain GILL Warranty Authorization Number from manufacturer. GILL Tech Support can be contacted through our website listed below or at: Within USA (800) 456 0070, or Outside USA (909) 793-3131, press option 3, between 7 am. to 4 pm. PST, Monday through Friday. Do not dispose of battery until Tech Support evaluation is completed. Complete documentation for the GILL Battery including the *New* GILL_{LT} Serial Number where indicated. Once warranty is authorized, submit the GILL Battery Log to any authorized Dealer/ Distributor **within 30 days of GILL authorization. GILL authorization remains in effect for 90 days, void thereafter.** Remove Serial Number sticker from battery and affix to form in box above the Maintenance Log. Please make a copy for yourself and submit original form to Dealer/Distributor.

Please allow 30 to 45 days for processing. See website for Dealer/Distributor near you.

Our website is: www.gillbatteries.com

CALIFORNIA PROPOSITION 65 WARNING
WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and reproductive harm. **Wash hands after handling.**

EXHIBIT A

Battery Type	Warranty Period	Full Coverage Period	Pro-rate Coverage Period
7000 Series	24 Months or 1,200 Hours	First 12 Months or 600 Hours, whichever occurs first	Remainder of 24 Months or 1,200 Hours, whichever occurs first*

*PRO-RATE CALCULATION IS BASED ON ACTUAL MONTHS OR ACTUAL HOURS, WHICHEVER IS GREATER

Date: _____

Owner: _____

Phone Number: _____

E-mail: _____

Distributor: _____

Dealer/Installer: _____

Aircraft Make/Model: _____

Aircraft Registration No.: _____

Aircraft Serial No.: _____

New GILL_{LT} Battery Serial No.: _____

Reason for Claim (please Describe): _____

Gill contact: _____

Warranty Authorization Number: _____

PLEASE COMPLETE REVERSE SIDE