

OPERATING INSTRUCTIONS BATTERY CHARGER

Description

The charger is a solid state battery charger designed to charge a sealed or wet lead-acid deep cycle battery to full charge and then to retain that full charge (unattended) during periods of inactivity.

This is accomplished with electronic circuitry that regulates the amount of charging current that is sent from the charger to the battery being charged. The charger maintains the battery at full charge without cooking or overcharging the battery, thus extending the life of the battery.

OPERATING INSTRUCTIONS

Before proceeding to charge battery make sure you read all provided safety instructions.

1. Make sure that the charger is connected to AC power.
2. Connect the battery to the charger.
3. Orange LED indicates "CHARGING"
Green LED indicates "TRICKLE CHARGING"
4. Charge a minimum of 15 hours. Just because the green light is on does not mean the the battery is fully charged.

SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

1. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) products using the battery.
2. **CAUTION** - To reduce the risk of injury, charge only lead-acid type rechargeable batteries. Other types of batteries may burst causing personal injury or damage.
3. Do not expose charger to rain or snow.
4. Use of an attachment not recommended or sold by the battery charger manufacturer may result in risk of fire, electric shock, or injury to persons.
5. To reduce risk of damage of electric plug and cord, pull by plug when disconnecting charger.
6. Extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in risk of fire and electric shock. If extension cord must be used, make sure:
 - a. That the pins on plug of extension cord are the same number, size, shape, as those on the charger.
 - b. That the extension cord is properly wired and in good electrical condition.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subject to damage or stress.
8. Do not operate charger with a damaged cord or plug - replace immediately.
9. Do not operate charger if it has received a sharp blow, been dropped, or is otherwise damaged in any way.
10. Do not disassemble charger.
11. To reduce risk of electric shock, unplug charger from outlet before attempting maintenance or cleaning.

BATTERY CARE AND MAINTENANCE

NOTE: The battery is the most important component of Dynamis. To know and understand the proper care and maintenance of the battery will determine how efficient your Dynamis will operate.

FEATURES:

* Maintenance - Free Operation

There is no need to check the specific gravity of the electrolyte or to add water during the service life. The battery is totally sealed, and needs only charging for maintenance.

* No Corrosive Gas Generation

There is no corrosive gas generation during normal use.

CAUTION: Do to the position of the battery on Dynamis, it is essential to use a non-liquid filled (i.e.: absorbed electrolyte or gel cell) 32 Amp hour battery.

**APPROVED AS "DRY CELL" FOR AIR SHIPMENT
BY DEPARTMENT OF TRANSPORTATION AND ICAO**

USE AND HANDLING

1. Battery should be fully charged before each use. This takes a minimum of 15 hrs.
2. Proper charging method is necessary for safety and getting full performance from the battery. Leave the battery on the charger at all times for maximum life.

NOTE: If your cart appears sluggish, won't respond to turn commands, or won't complete an 18 hole round, check the lights on the right side of the round module. If the green, yellow, and red indicator lights are all on, this indicates a low main battery.

NOTE: The green light will come on the charger before the battery is fully charged. The battery must be left on the charger a minimum of 15 hours to be fully charged.

NOTE: Use only Dynamis battery charger to maintain your battery. The Dynamis automatic battery charger is designed to provide your battery with the optimum charge profile. It is designed to prevent over- charging and can be left on the battery for long periods of time.

CAUTION:

- *Always use care when using tools on or near battery terminals.
- *Accidental bridging across positive (+) and negative (-) battery terminals by any metallic object however brief will cause severe arcing, which can lead to personal injury, burns, or ignition of nearby flammable materials.
- *You should always remove all jewelry when working around exposed battery terminals.

OPERATING DYNAMIS

NOTE: Double check that battery harness has been plugged into rear of main control module.

Main Control Module

1. Push power ON button. Power on will be indicated by the green light directly above the ON button. (These lights also show your battery level.)

Remote Control Transmitter

2. Push GO/STOP button to start forward motion. To stop Dynamis, push button again. Transmitter On is indicated by the flashing TX light.
3. Use speed increase button (+) or speed decrease button (-) to select desired speed. Release button when desired speed is reached. Dynamis runs most efficiently at the top two speeds. Always go up hills at the highest speed.

NOTE: When main control module is first turned on motor will always start on lowest speed. After desired speed is selected Dynamis can be stopped then started again and will resume travel at the last speed chosen.

4. Depress (>>) button to turn right, then release to go straight. Depress (<<) button to turn left, then release to go straight.
5. To turn Dynamis Off, press GO/STOP button once to stop motion, then push OFF on main control module or simply unplug the battery from rear of module.

Comment [COMMENT1]:

**USE CARE! DO NOT DROP TRANSMITTER.
IF DROPPED BATTERIES MAY LOOSE CONNECTIONS.**

