

Hobbico 905 AC/DC Multi-charger Instructions

Charging Instructions:

1. Connect the AC power cord to a 110V wall outlet.
2. Connect a 6-cell (7.2V) or 7-cell (8.4V) battery pack to the white charge plug. Use the SA-BEST supplied adapter to connect to your battery's red and black plug.
3. Make sure the battery is discharged prior to fast charge. See "Discharge Instructions" below before proceeding to step #4.
4. Make sure the CHARGE/DISCHARGE switch is in the CHARGE position (do not change the position of this switch once a battery is connected). Rotate the timer dial in a full clockwise direction to begin fast charge. For best results, refer to the following chart when charging your battery. Your battery should have a capacity rating listed on its label. The charge time for your battery should be determined by its capacity rating, as follows:

<u>Pack Rating</u>	<u>Charge Time in Minutes</u>
1200-1400mAh	15-20
1500-1700mAh	25-30

Note: SA-BEST batteries are 1500 mA. The pack will become warm during fast charge (this is normal). **WARNING!** Do not leave your charger unattended when charging a battery. If the battery becomes hot during charge, disconnect it from the charger immediately! Failure to do so may cause the battery to explode, causing harm to your charger, battery or yourself.

5. When fast charge has ended, the meter will drop to near zero and trickle charge will automatically begin. The battery is now ready for use, or may be left connected to the charger indefinitely in trickle charge to maintain a fully charged state.

Discharging Instructions:

1. Move the 905's CHARGE/DISCHARGE switch to the DISCHARGE position (remember, don't change the position of this switch with a battery connected).
2. Turn the timer clockwise to begin the discharge mode.
3. Monitor the 905's ammeter, making sure the needle deflects far into the area on the left marked "discharge."
4. As soon as the needle falls between 1.5 amps discharge and 0, your battery is adequately discharged. **WARNING!** Do NOT allow your battery to discharge further if the needle falls between 1.5 amps and 0. This could cause an over-discharge situation and cause irreparable damage to your battery.
5. Make sure the battery cools down adequately after discharge before proceeding with fast charge (go back to step #4 in "Charging Instructions").

Troubleshooting Guide

Problem	Possible Cause	Solution
Meter does not deflect to the right during charge	Lack of input power	Apply input power, refer to step #1 in Charging Instructions
	Battery pack not properly connected	Refer to step #2 in Charging Instructions; ensure a good physical connection is made
	Blown Fuse	Replace fuse. Do NOT replace fuse with one rated greater than 1 amp
	Insufficient Charge time selected	Refer to step #4 in Charging Instructions
	Move switch to the CHARGE position	CHARGE/DISCHARGE switch in wrong position
	Charger malfunctioning	Contact SA-BEST Kit Coordinator
	Battery needs to be cycled or replaced	If run time is short, fully charge the battery, then discharge it, repeat several times. If run time does not improve, battery replacement is recommended
Meter does not deflect to the left during discharge	Battery pack is not properly connected	Refer to step #2 in Charging Instructions; ensure a good physical connection is made
	CHARGE/DISCHARGE switch in wrong position	Move switch to the DISCHARGE position
	Timer not set	Discharge function will not operate unless dial is turned clockwise past zero
	Charger malfunctioning	Contact SA-BEST Kit Coordinator