

## Warranty and Repair Policy

Your charger is guaranteed against workmanship and manufacturing defects for a period of 5 years from the original date of purchase. This warranty is limited to the original purchaser and is not transferable. Warranty repair will not cover units that have been modified, misused, or serviced by an unauthorized service center. To speak to a service technician, call 1-877-504-0233.

If your charger needs to be repaired, ship (freight prepaid) the charger in its original box to:

Horizon Service Center  
Attn: Dynamite Service  
4105 Fieldstone Rd.  
Champaign, IL 61822

Include your complete name and address and information inside the carton, as well as clearly writing it on the outer label/return address area. Include a brief summary of the difficulty. Date your correspondence and be sure that your name and address appear on this enclosure. Also, please include a phone number where you can be reached during the business day.

## Warranty Repairs

To receive warranty service, you must include your original sales receipt verifying the proof-of-purchase date. Providing that warranty conditions have been met, your charger will be repaired free of charge.

## Non-Warranty Repairs

Should your repair cost exceed 50% of the retail purchase cost, you will be provided with an estimate advising you of your options. Any return freight for non-warranty repairs will be billed to the consumer. For non-warranty repairs, please advise us of the credit card you prefer to use. Horizon Service Center accepts Visa or MasterCard. Please include your card number and expiration date. Horizon Service Center also accepts money orders.

# APEX™

## DC 6-7 Cell Ni-Cd & Ni-MH Peak Prediction Fast Charger



# **E-flite™**

## Introduction

Thank you for purchasing the E-flite™ Apex™ selectable rate DC Peak Prediction charger. This charger is DC-powered and will peak charge 6/7-cell Ni-Cd and Ni-MH slow flyer battery packs. You can choose to charge your battery pack at 400mA, 750mA or 1.5 amps. This charger's unique peak prediction circuitry ensures that your batteries receive an accurate charge every time and protects your Ni-Cd and Ni-MH batteries from the dangers of over charging. Your charger does this by continuously monitoring the battery's voltage charge curve and calculates (predicts) when the peak (100% charge) will occur. When the batteries have peaked, it stops fast charging at exactly that point. This is essential in order to avoid damaging Ni-Cd and especially Ni-MH cells that are very sensitive to heat. This circuitry is superior to conventional peak detection circuitry which continues to fast charge even after the batteries are fully charged, which may cause damage to Ni-Cd and Ni-MH cells.

After the battery pack has peaked, the charger automatically switches to Advanced Trickle Charge. This charging process keeps your battery packs in top performing condition until you are ready to use them.

## DC Peak Prediction Charger Features

- Advanced peak prediction circuitry
- Advanced Trickle Charge
- 12V DC-powered
- Charges 6/7-cell Ni-Cd and Ni-MH packs
- Alligator clips
- Charge lead with BEC connector
- Selectable Charge Rates: 400mA, 750mA or 1500 mA (1.5 amps)
- LED charge indicator
- Charge beeper
- Limited 2-year warranty

## Supplying Power to the Charger

Your charger will have to be powered by connecting it to a 12V power source, such as a 12V Sealed Battery (HAN102) or automobile battery. If you choose to power your charger by connecting it to your automobile battery, never do so with the vehicle running!

### DC Power

Attach the red (positive) alligator clip or banana plug to the red (positive) terminal on your 12V power source. Next, attach the black (negative) alligator clip or banana plug to the black (negative) terminal of the power source. When this is successfully done, a "beep" will sound and the LED will illuminate.

## Charging 6- or 7-cell Sub-C Ni-Cd or Ni-MH Battery Packs

1. Connect the charger to the 12V power source.
2. Select the charge rate for charging your battery pack.
3. Connect the charge lead of the charger to the connector of the battery pack.

**Note:** After you have properly connected the battery to the charger, a "beep" will occur and the LED will illuminate solid red.

### Selectable Charge Rates

The following are estimated charge times based on fully discharged battery packs. Be certain that you monitor your battery pack while it is being charged.

#### 400mA charge rate

110mAh battery pack	15 minutes
270mAh battery pack	40 minutes

#### 750mA charge rate

270mAh battery pack	20 minutes
350mAh battery pack	28 minutes

#### 1500mA (1.5 amps) charge rate

600mAh battery pack	24 minutes
900mAh battery pack	36 minutes

## Advanced Trickle Charge

After your battery pack has peaked, your charger will automatically switch to Advance Trickle Charge. This feature will keep your battery pack fully charged until you are ready to use them again. You will know that your charger is in Advanced Trickle Charge when your charger beeps repeatedly and the LED continually flashes.

## Re-Peak

To re-peak your battery pack, disconnect the battery and then re-connect it. This will begin the charge process again. Once the battery has once again peaked, the charger will return to Advanced Trickle Charge.

## Safety Precautions

Do not leave the battery and charger unattended while in use. When charging, constantly monitor the temperature of the battery pack. If the battery becomes hot to the touch, discontinue the charging operation immediately by disconnecting the battery pack. Do not allow children to charge battery packs unless they are supervised by a responsible adult. The charger can become hot during charging, so use care when selecting where you will charge the battery packs.