

# CHARGE - A - MATIC

## AUTO PEAK DETECTION CHARGER

Congratulations on your purchase of the CG-315 "Plus" charger. The CG-315 Plus has been optimized to be one of the most easy-to-use and lightweight auto peak detection charger available on the market. Please read the instructions fully before attempting to use it.

### Features:

- \* Constant 5.5Amp charge current.
- \* Charges all popular 5 to 7 cell motor batteries.
- \* Protection circuitry against reverse polarity damage.
- \* One touch charging for 100% full capacity of your batteries.
- \* Compact and lightweight aluminum case.
- \* Built in 30 minute electronic shut-off timer.

### Warnings:

1. If replacement of the fuse is necessary, use only a 10Amp spade type automotive fuse.
2. Try using output wire leads shorter than 10 inches to ensure proper operation.
3. Do not allow an operating radio transmitter any closer than 3 feet to the charger, as it could trigger the peak detector in the charger to go off prematurely.
4. Use this charger only for Radio Control related 5 to 7 cell, 1200 to 2000ma rated motor batteries. It should not be used with transmitter or receiver pack Ni-cads.
5. Always check for loose connectors or bare wires before charging, do not leave the unit unattended during the charging process, as a shorted out battery pack can melt and catch on fire.



### Layout and

- (1) Output connector will connect to the battery you wish to charge. You may need to modify the existing connector if your battery connector is not the same style.
- (2) A 10Amp fuse is used to protect the unit from electrical shorts. If the unit fails to work, please check that the fuse is operational and replace if necessary with another 10Amp fuse.
- (3) Power source connector leads are attached to an appropriate power supply such as a battery with an amp

rating of 7 or higher or a AC/DC converter rated at 7amps or higher.

- (4) The “start” button must be pressed and held down for 5 seconds to start the charging process.
- (5) The charge indicator light will glow solid when the charger is in operation and blink when the charge process is complete.
- (6) The charger aluminum case is insulated to prevent shorts however use caution not to place it on a metal surface for double security. Additionally, the case is also a heat sink and may get warm under normal operation.

Operation:

- 1. Connect the red clip to the “positive” side of the power source and the black to the “negative” side. The power source can be a AC/DC converter or a battery of 7Amps or more.
- 2. Hitec supplies the “Tamiya” style connector with our chargers, your battery may use a different style connector. Using the appropriate connector, attach the battery to be charged to the chargers output connector.
- 3. Push the “Start” button and hold it down for 5 seconds. Charging will start when the charge indicator light is on.
- 4. When the battery is fully charged the unit will automatically shut off the charging circuit and the charging indicator light will blink. A good measure of a successful charging process is the battery will be slightly warm to the touch.
- 5. In the event the charge process is not complete within 30 minutes, the built-in timer will activate and shut down the charging process and the indicator light will blink. To complete the charge process press the start button again.

Specifications:

- Constant charging current of: 5.5Amps.
- Charging voltage range: 5-7 cells ( 6-8.4V )
- Cut off delta voltage of: 0.05V
- Input voltage: 11-15V
- Subject battery voltage range: 1200 to 2000ma
- Auto timer cut-off: 30 minutes
- Weight: 185gm ' s or 6.5 OZ.
- Size: 116x 62x22mm or 4.5 x 2.5 x 1 inch