

REEDY QUASAR

AC DC CHARGER

#610



Includes:

- Charger system.
- Power cord for 120V AC.
- Large alligator clips for 12V DC.
- Direct-connect plug for battery pack.
- Alligator clip adapter for battery pack connection.

SPECIFICATIONS

<i>Input</i>	110VAC or 12VDC
<i>Output</i>	4-8 cell (4.8V – 9.6V)
<i>Battery capacity</i>	50mah-5000mah
<i>Charging rate</i>	0.5amp – 6.5amp
<i>Threshold</i>	30mV
<i>Case size</i>	6.00" x 4.00" x 2.00"

- The Quasar is a versatile charger, which will charge both Ni-CD and Ni-MH battery packs.
- The charge rate is adjustable from 0.5 amp to 6.5 amp, allowing it to be used for charging packs with capacities ranging from 50mah to 5000mah.
- Quasar also has the option of either 110VAC input power or 12VDC input power.
- The Quasar charger may be used to charge 4-8 cell battery packs.

QUICK-START INSTRUCTIONS

- 1** Plug the power cord into the charger.
- 2** Plug the power cord into the power source.
- 3** Select the charge rate.
- 4** Connect the battery pack to the charger.
- 5** Push the Start button.
- 6** When the Completed light glows, remove the battery pack.

CHARGER OPERATION

WARNING! To avoid overheating, never place charger and/or battery pack in direct sun light while charging.



Left: DC adapter cord.
Middle: AC cord.
Right: Alligator clip adapter

DETERMINE THE TYPE OF INPUT POWER YOU WILL BE USING

- If using 110VAC then read the two steps of the 110VAC section following.
- If 12VDC then read the two steps of the 12VDC section below.

IF USING 110VAC

1 Plug the power cord into the charger

- Plug the AC cord into the input socket located on the side of the charger.

WARNING! The male plug on the cord should not be plugged into the AC source while connecting to the charger.

Go to step 2 at right.



For 120VAC operation, use the plug shown.

2 Hook up the unit to your charging source

- Plug the male plug on the AC cord into the AC source.

The red and green panel lights should not be on at this time.

Go to step 3 below.

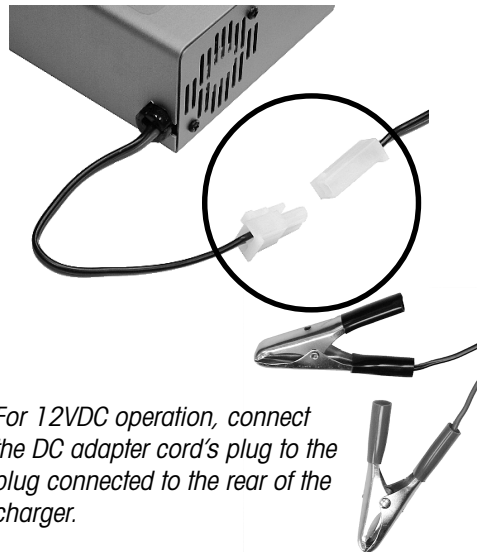
IF USING 12VDC

1 Plug the power cord into the charger

- Insert the DC adapter cord's female plug into the male DC input plug exiting the rear of the charger.

WARNING! When using a lead acid battery, such as a car or motorcycle battery, as a power source, care must be taken as it may generate explosive gases during charging operation. To prevent this danger always unplug the DC adapter cord from the charger before disconnecting the alligator clips from the battery.

Go to step 2 at right.



For 12VDC operation, connect the DC adapter cord's plug to the plug connected to the rear of the charger.

2 Hook up the unit to your charging source

- The power source must be a minimum of 12VDC and a maximum of 13.8VDC. If a power supply is used, a minimum of 7 amps output is required. The red wire alligator clip should be connected to the positive (+) on the 12VDC source and the black wire alligator clip connected to the (-) negative side.

The red and green panel lights should not be on at this time.

Go to step 3 below.

3 Select the charge rate

Using the charge rate chart below, select the proper recommended charge rate for the battery you will be charging. Turn the charge rate knob to the selected setting.

CHARGE RATE CHART	
under 500mah	0.5amp
500mah-1100mah	1.0amp
1200mah-1600mah	3amp
1700mah-5000mah	4amp

Printed on every battery label will be a series of numbers followed by "mah." This number will indicate which charge rate to use. Using a charge rate higher than recommended in above chart may damage your batteries.

2



Turn the knob to set the charge rate in amps.

CHARGING

WARNING! Battery pack must be in discharged condition before starting charge cycle. Failure to do this can result in damage to battery and/or charger.

4 Connect the battery pack to be charged to the charging cord located at the front of the charger

You may use either the female connector attached to the end of the charging cord or the optional alligator clip adapter supplied with the charger.

WARNING! Plugging in/hooking up backward may severely damage the charger.

Before using the standard plug first make sure the polarity on the plug is the same as your battery pack. The red wire on the charger cord output cord is positive and the black wire is negative.

When using the optional alligator clip adapter always connect the red alligator clip to the positive on the battery pack and the black alligator clip to the negative on the battery pack.

The red LED should now be blinking.

If the red LED is not blinking, disconnect the battery and check all connections to make sure they are connected according to the directions.

Check the charge rate setting to make sure it is set to the proper rate for your battery pack. See charge rate chart to the left.

5 Push the Start button to start charging

The red LED should now be glowing continuously.

The battery will now charge at the selected rate until the automatic Delta Peak Detection circuit senses that the pack is fully charged at which time the charger will shut off. *As a precautionary act you should check your battery pack during charging for overheating. If the cells become hot to the touch there is something wrong and the pack should be disconnected from the charger.* When charging 250mah, or less, batteries, the temperature should be monitored during charging and as soon as the temperature exceeds ambient temperature the battery pack should be disconnected from the charger to prevent over charging.

WARNING! The early versions of Ni-MH batteries tend to false peak during the first ten minutes of the charging cycle. If you are charging this type of battery pack, it is recommended you monitor the charge during the first ten minutes. If the charger shuts off during that period and the pack is at room temperature, push the Start button to resume charging.

6 When the Completed light glows, remove the battery pack.

The red Charging LED should now be off and the green Complete LED should be on when the pack is charged.

Both LEDs should go off when you remove the battery pack.



Connect your battery pack to this plug.



When using the alligator clip adapter, connect the red to the positive on the battery pack and black to the negative.

After connecting the battery, the red Charging LED should glow continually after pushing Start.

When the green Complete LED is on, charging is finished.



WARNING

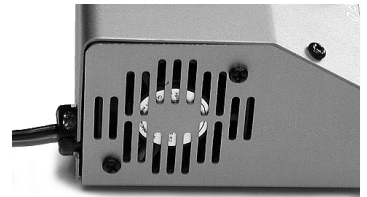
ASSOCIATED ELECTRICS, INC. AND REEDY MODIFIEDS HAVE NO CONTROL OVER THE USE AND APPLICATION OF THIS PRODUCT AND SHALL NOT BE LIABLE FOR ANY PROPERTY DAMAGE OR PERSONAL INJURY RESULTING FROM THE FAILURE TO FOLLOW THESE INSTRUCTIONS OR IMPROPER USE OF THE PRODUCT.

DO NOT PLACE ANYTHING NEXT TO THE CHARGER THAT WILL BLOCK THE FREE FLOW OF AIR TO THE COOLING FAN AND AIR FLOW SLOTS.

NOT MEANT FOR USE BY ANYONE WITHOUT ADULT SUPERVISION.

THIS CHARGER WILL CHARGE Ni-CD OR Ni-MH BATTERIES ONLY. DO NOT ATTEMPT TO CHARGE ANY OTHER TYPE OF BATTERY, SUCH AS ALKALINE, LITHIUM, ETC.

USE ONLY WITH BATTERIES THAT ARE NO MORE THAN TWO YEARS OLD AND IN GOOD CONDITION.



Do not block the vents or fan opening.

LIMITED WARRANTY

ASSOCIATED ELECTRICS, INC. AND REEDY MODIFIEDS WARRANTS THIS CHARGER TO BE FREE OF ANY DEFECTS IN MATERIAL OR RESULTING FROM WORKSMANSHIP FOR A PERIOD OF NINETY DAYS FROM DATE OF PURCHASE.

WARRANTY DOES NOT COVER:

- *DAMAGE DONE BY INCORRECT CONNECTING OF INPUT OR OUTPUT POWER CORDS.*
- *DAMAGE CAUSED BY EXCEEDING RECOMMENDED INPUT VOLTAGE.*
- *DAMAGE CAUSED BY EXCESSIVE OR ABUSIVE USE.*
- *DAMAGE CAUSED BY CHARGING MORE THAN RECOMMENDED NUMBER OF CELLS.*
- *DAMAGE CAUSED BY ANY MODIFICATIONS TO INPUT OR OUTPUT POWER CABLES.*
- *DAMAGE CAUSED BY ANY LIQUID OR FOREIGN MATERIAL ENTERING INTERIOR OF CHARGER.*

REPAIRS

All warranty work must be accompanied by a dated, itemized sales receipt.

Shipping charges are not covered by warranty and will be charged by COD on returned product. (Credit card preferred to eliminate COD charges—we do not ship by US Mail.)

Repair fee after 90 day warranty period will be \$90.00. Payment must accompany item returned for repair.

Include a short summary of problem and include a daytime phone number and e-mail address.

Units under warranty, found to be faulty, will be fixed free of charge. Owners of units under warranty found to be free of any faults will be charged a fee of \$20.00 to cover handling, shipping, and testing.

Mail all warranty and repair work to:

Associated Electrics
Customer Service
3585 Cadillac Ave.
Costa Mesa, Ca. 92626
USA