

ACE RC®

T6AC/T6 DIGITAL BALANCE CHARGER INSTRUCTION MANUAL



T6AC No.2537
T6 No.2538

*Copyright reserved. The contents are subject to change without prior notice due to product improvements and specification changes.

WARRANTY

Thunder Tiger Corporation guarantees this product to be free from defects in both manufacturing and assembly. The total monetary value under warranty will in no case exceed the cost of the product purchased. This warranty does not cover any components damaged by use or modification. Part or parts missing from this kit must be reported within 60 days of purchase. No part or parts will be sent under warranty without proof of purchase. To receive part or parts under warranty, the service center must receive a proof of purchase and/or the defective part or parts. Should you find a defective or missing part, contact the authorized Thunder Tiger Service/Distributor nearest you.

SPECIFICATIONS

Operating voltage range	T6AC- DC 11.0~18.0 Volt/AC in:100v~240v 50/60Hz T6- DC 11.0~18.0 Volt/AC to DC adaptor (DC11.0~18.0V/5A)
Circuit power	Max. charge power 50W Max. discharge power 5W
Charge current range	0.1~5.0A
Discharge current range	0.1~1.0A
Current drain for balancing Li-po	300mAh/cell
NiCd/NiMH battery cell count	1~15cell
li-ion/Polymer cell count	1~6 series
Pb battery voltage	2V~20V
Weight	T6AC- 647g(Net Weight)/T6 -400g(Net Weight)
Dimensions	T6AC-134x142x36mm/T6AC-133x108x33mm

INTRODUCTION

Thank you for purchasing the T6AC/T6 Balance Charger by ACE RC. This product is a rapid charger with a high performance microprocessor and specialized operating software. Please read this entire operating manual completely and attentively before using this product, as it covers a wide range of information on operating and safety. Or please do use this product in company with a specialist!

SPECIAL FEATURES

Optimized operating software

T6AC/T6 features the so-called AUTO function that set the feeding current during the process of charging or discharging. Especially for Lithium batteries, it can prevent the overcharging which may lead to an explosion due to the user's fault. It can disconnect the circuit automatically and alarm once detecting any malfunction. All the programs of this product were controlled through two way linkage and communication, to achieve the maximum safety and minimize the trouble. All the settings can be configured by users!

Internal independent lithium battery balancer

T6AC/T6 employs an individual-cell-voltage balancer. It is not necessary to connect an external balancer for balance charging.

Balancing individual cells battery discharging

During the process of discharging, T6AC/T6 can monitor and balance each cell of the battery individually. Error message will be indicated and the process will be ended automatically if the voltage of any single one cell is abnormal.

Adaptable to various type of lithium battery

T6AC/T6 is adaptable to various types of Lithium batteries, such as Li-ion, LiPo and the new LiFe series of batteries.

SPECIAL FEATURES

Fast and storage mode of lithium battery

Purposes to charge Lithium battery varies, "fast" charge reduce the duration of charging, whereas "store" state can control the final voltage of your battery, so as to store for a long time and protect useful time of the battery.

Maximum safety

Delta-peak sensitivity: The automatic charge termination program based on the principle of the Delta-peak voltage detection. When the battery's voltage exceeds the threshold, the process will be terminated automatically.

Automatic charging current limit

You can set up the upper limit of the charging current when charging your NiCd or NiMH battery; it is useful for the NiMH battery of low impedance and capacity in the 'AUTO' charging mode.

Capacity limit

The charging capacity is always calculated as the charging current multiplied by time. If the charging capacity exceeds the limit, the process will be terminated automatically when you set the maximum value.

Temperature threshold*

The battery's internal chemical reaction will cause the temperature of the battery to rise. If the temperature limit is reached, the process will be terminated.

* This function is available by connecting optional temperature probe, which is not included in our package.

Input power monitoring

To protect the car battery used as DC input power from being damaged, its voltage keeps being monitored. If it drops below the lower limit, the process will be ended automatically.

Processing time limit

You can also limit the maximum process time to avoid any possible defect.

Data store/load

The maximum five batteries' data can be stored for users' convenience. You can keep the data pertaining to program setting of the battery of continuous charging or discharging. Users can call out these data at any time without any special program setting.

Cyclic charging/discharging

1 to 5 cyclic and continuous process of charge>discharge or discharge>charge is operable for battery refreshing and Balancing to stimulate the battery's activity.

OPTIONAL ACCESSORIES



Temperature Sensor
AQ6279



Software Kit
AQ6280



TP/FP Adaptor for Thunder Power/Flight Power
AQ6281

HP/PQ Adaptor for Polyquest / Hyperion
AQ6282

EH Adaptor for Kokam
AQ6283

LITHIUM POLYMER BALANCE CHARGE PROGRAM CONNECTION DIAGRAM

DC Input power port
11-18V DC

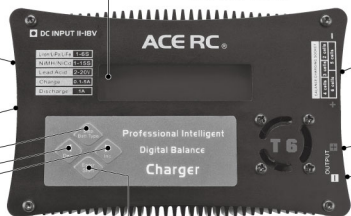
Output charge lead
4mm banana plug

AC input power port
(AC 100~240V,50/60HZ)

LCD display

Balance lead sockets
JST-XH ports

Balance lead sockets
JST-XH ports



- Resume or start charge processes
- Confirm an action

3-pin port for
temperature sensor

DC Input
power port
11-18V DC

- Scroll through the Main Menu
- Stop any charge processes.

Alter values
See the status of individual cells
in balance charge mode.



- Resume or start charge processes
- Confirm an action

Output charge lead
4mm banana plug



LITHIUM POLYMER BALANCE CHARGE PROGRAM CONNECTION DIAGRAM

This diagram shows the correct way to connect your battery to the T6AC charger while charging in the balance charge program mode only.

WARNING

Failure to connect as shown in this diagram will damage this charger.



The main battery leads must be connected along with the balance lead connector as shown before charging your battery.

WARNING AND SAFETY NOTES

These warnings and safety notes are particularly important. Please follow the instructions for maximum safety; otherwise the charger and the battery can be damaged or at worst it can cause a fire.

- ❗ Never leave the charger unattended when it is connected to its power supply. If any malfunction is found, **TERMINATE THE PROCESS AT ONCE** and refer to the operation manual.
- ❗ Keep the charger well away from dust, damp, rain, heat, direct sunshine and vibration. Never drop it.
- ❗ Suitable input voltage is 11-18V DC, for AC input voltage is 100~240V.
- ❗ This charger and the battery should be put on a heat-resistant, nonflammable and nonconductive surface. Never place them on a car seat, carpet or similar. Keep all the inflammable volatile materials away from operating area.
- ❗ Make sure you know the specifications of the battery to be charged or discharged to ensure it meets the requirements of this charger. If the program is set up incorrectly, the battery and charger may be damaged .It can cause fire or explosion due to overcharging. This warranty is not valid for any damage or subsequent damage arising as a result of a misuse or failure to observe the procedures outlined in this manual.

WARNING AND SAFETY NOTES



NiCd/NiMH

Voltage level: 1.2V/cell

Allowable fast charge current: 1C-2C (depends on the performance of cell)

Discharge voltage cut off level: 0.85V/cell (NiCd), 1.0V/cell(NiMH)

Li-ion

Voltage level: 3.6V/cell

Max. charge voltage: 4.1V/cell

Allowable fast charge current: 1C or less

Min. discharge voltage cut off level: 2.5V/cell or higher

LiPo

Voltage level: 3.7V/cell

Max. charge voltage: 4.2V/cell

Allowable fast charge current: 1C or less

Discharge voltage cut off level: 3.0V/cell or higher

LiFe

Voltage level: 3.3V/cell

Max. charge voltage: 3.6V/cell

Allowable fast charge current: 4C or less

Discharge voltage cut off level: 2.0V/cell or higher

Pb

Voltage level: 2.0V/cell

(Lead-acid) Max. charge voltage: 2.46V/cell

Allowable fast charge current: 0.4C or less

Discharge voltage cut off level: 1.75V/cell or higher

WARNING AND SAFETY NOTES

- ❗ To avoid short circuit between the charge lead always connect the charge cable to the charger first, then connect the battery. Reverse the sequence when disconnecting.
- ❗ Do not connect more than one battery pack to this charger at any one time.
- ❗ Never attempt to charge or discharge the following types of batteries.

- A battery pack which consists of different types of cells (including different manufacturers)
- A battery that is already fully charged or just slightly discharged.
- Non-rechargeable batteries (Explosion hazard).
- Batteries that require a different charge technique from NiCd, NiMh, LiPo or Gel cell (Pb, Lead acid).
- A faulty or damaged battery.
- A battery fitted with an integral charge circuit or a protection circuit.
- Batteries installed in a device or which are electrically linked to other components.
- Batteries that are not expressly stated by the manufacturer to be suitable for the currents the charger delivers during the charge process.

! Please bear in mind the following points before commencing charging:

- Did you select the appropriate program suitable for the type of battery you are charging?
- Did you set up adequate current for charging or discharging?
- Have you checked the battery voltage? Lithium battery packs can be wired in parallel and in series, i.e. a 2 cell pack can be 3.7V (in parallel) or 7.4V (in series).
- Have you checked that all connections are firm and secure? Make sure there are no intermittent contacts at any point in the circuit.

! Charging

During charge process, a specific quantity of electrical energy is fed into the battery. The charge quantity is calculated by multiplying charge current by charge time. The maximum permissible charge current varies depending on the battery type or its performance, and can be found in the information by the battery manufacturer. Only batteries that are expressly stated to be capable of quick-charge are allowed to be charged at rates higher than the standard charge current.

Connect the battery to the terminal of the charger: red is positive and black is negative. Due to the difference between resistance of cable and connector, the charger can not detect resistance of the battery pack, the essential requirement for the charger to work properly is that the charge lead should be of adequate conductor cross-section, and high quality connectors which are normally gold-plated should be fitted to both ends.

WARNING AND SAFETY NOTES

Always refer to the manual by the battery manufacturer pertaining to charging methods, recommended charging current and charging time. Especially, the Lithium battery should be charged according the charging instruction provided by the manufacturer strictly.

Attention should be paid to the connection of Lithium battery especially.

Do not attempt to disassemble the battery pack arbitrarily

Please get highlighted that Lithium battery packs can be wired in parallel and in series. In the parallel connection, the battery's capacity is calculated by multiplying single battery's capacity by the number of cells with total voltage stay the same. The voltage's imbalance may cause fire or explosion .Lithium battery is recommended to charge in series.

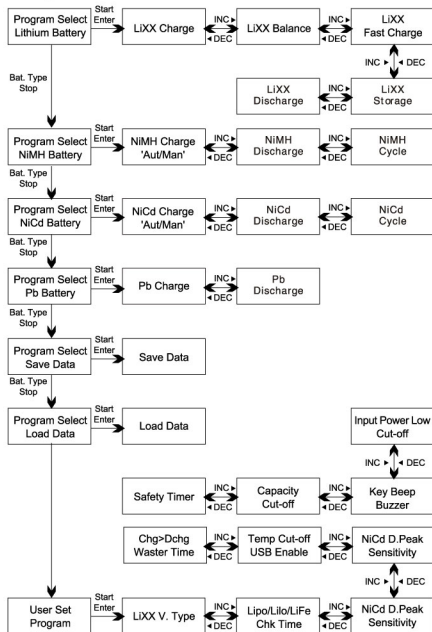
! Discharging

The main purpose of discharging is to clean residual capacity of the battery, or to reduce the battery's voltage to a defined level. The same attention should be paid to the discharging process as charging. The final discharge voltage should be set up correctly to avoid deep-discharging. Lithium battery can not be discharged to lower than the minimum voltage, or it will cause a rapid loss of capacity or a total failure. Generally, Lithium battery doesn't need to be discharged. Please pay attention to the minimum voltage of Lithium battery to protect the battery.





Some rechargeable batteries have a memory effect. If they are partly used and recharged before the whole charge is accomplished, they remember this and will only use that part of their capacity next time. This is a 'memory effect' It is said that NiCd and NiMH batteries are suffering from memory effect. NiCd has more memory effect than NiMH.

Lithium batteries are recommended to be discharged partially rather than fully discharged. Frequent full discharging should be avoided if possible. Instead, charge the battery more often or use a battery of larger capacity. Full capacity cannot be used until it has been subjected to 10 or more charge cycles. The cyclic process of charge and discharge will optimize the capacity of battery pack.

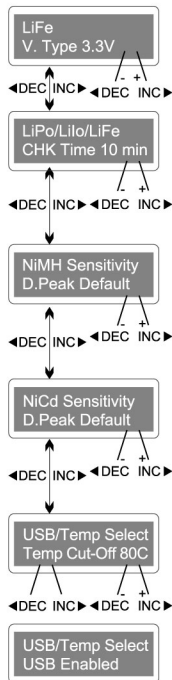
! Program flow chart



As default this charger will be set to typical user settings when it is connected to a 12V battery for the first time. The screen displays the following information in sequence and the user can change the parameter on each screen.

If you need to alter the parameter value in the program, press "Start/Enter" key () to make it blink then change the value with INC () or DEC key () . The value will be stored by pressing "Start/Enter" key () once.

WARNING AND SAFETY NOTES

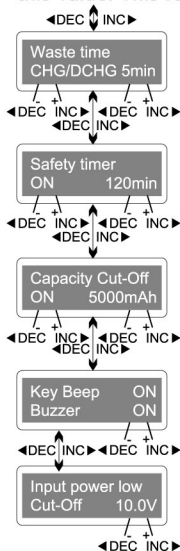


The screen shows the nominal voltage of Lithium battery. There are three kinds of Lithium battery: LiFe(3.3V), Lilo(3.6V) or LiPo(3.7V). This information is of critical importance that you have to check the battery carefully to make sure it is set up correctly. If it is different from correct value, explosion can occur during charge process.

To avoid from erroneous setting by users, T6AC/T6 detects the cell count of Lithium battery automatically at the beginning of charge or discharge process. But battery that is deep-discharged can't be detected correctly. To avoid this error, the time term can be set to verify the cell count by the processor. Normally, 15 seconds are enough to detect the cell count correctly. You need to extend the time term limit for the battery of large capacity. But the charge or discharge process may come to an end within the time term because of the time limit decided by the wrong count if you set too long time limit for the battery of small capacity. This may cause fatal error. You have to extend the time term if the processor detect the cell count incorrectly at the beginning of charge or discharge process. Otherwise, default value is recommended to use.

This shows the trigger voltage for automatical charge termination of NiMH and NiCd battery. The valid value ranges from 5 to 20 mV per cell. Setting the trigger voltage higher brings a danger of overcharging; whereas setting it lower brings a possibility of premature termination. Please refer to the technical specification of the battery.(NiCd default:12mV, NiMH default:7mV)

There is a 3-pin port on the left of the charger used as USB interface or temperature sensor port. If the screen displays temperature, you can use the optional temperature probe to connect to the surface of the battery. If it is set as the USB port, you can connect the charger to your PC through the optional USB cable to monitor the charging process through optional software. The maximum temperature of the battery can be set during the charge process. The process will be terminated automatically to protect battery once the temperature of battery reaches this value. This feature is accomplished through temperature probe (optional).



The battery becomes warm after cycles of charge/discharge process. The program will insert a time delay after each charge/discharge process to allow the battery enough time to cool down before beginning next cycle of charge/discharge process. The valid value ranges from 0 to 60 minutes.

When the charge process starts, the integrated safety timer starts to run simultaneously. If error detected or the termination circuit can not detect whether the battery is fully charged or not, this unit is programmed to prevent overcharging. Please refer to the below statement to calculate the timer you set.

The program provides maximum capacity protection function. If the Delta-peak voltage can not be detected or the safety timer times out, the charge process will stop automatically, when the battery reaches the user-set maximum charge capacity.

The beep to confirm users' operation sounds every time a button is pressed. The beep or melody sounds at various times during operation to confirm different mode change. These functions can be switched on or off.

This function monitors the voltage of the input battery used to power this charger. If the voltage is lower than user-set value, the program will end forcibly to protect the input battery.

SAFE TIMER CALCULATION

When charging NiCd or NiMH batteries, divide the capacity by current, then divide the result by 11.9, set this number of minutes as the value for safety timer setting. If the charger stopped at this time threshold, about 140% of the capacity will have been fed into the battery. For example:

Capacity Current Safety Time





2000mAh 2.0A ($2000/2.0=1000$)/11.9=84 minutes

3300mAh 3.0A ($3300/3.0=1100$)/11.9=92 minutes

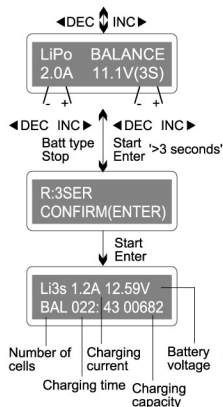
1000mAh 1.2A ($1000/1.2=833$)/11.9=70 minutes


LITHIUM (LiIo/LiPo/LiFe) PROGRAM



The program is only suitable for charging/discharging Lithium-polymer batteries with a nominal voltage of 3.3/3.6/3.7V/cell. Different batteries have different charge technique. There are two methods termed as constant voltage and constant current. The charge current varies according to battery capacity and specification. The final voltage is very important; it should precisely match the voltage of the battery: LiPo is 4.2V, LiIo is 4.1V and LiFe is 3.6V. The current and voltage of the battery should be correctly set.

When you want to change the values of parameters, please press START/ENTER key () to make it blink and then use DEC () or INC () to change the value. Then press START/ENTER () key again to store the value.

CHARGING OF LITHIUM BATTERY



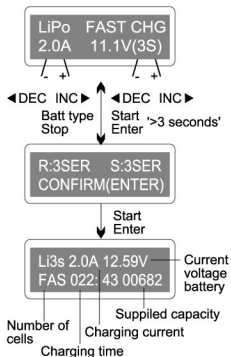
The left side of the first line shows the type of battery you choose. 2.0A 11.1V(3S) The value on the left of the second line of the charger is current user set, After setting the current and voltage, press START/ENTER key () for more than 3 seconds to start the process. (charge current:0.1-5.0A, voltage:3.7-22.2V).


This displays the number of cells you set up and the processor detects. "R" shows the number of cells detected by the charger and "S" is the number of cells set by you at the previous screen. If CONFIRM(ENTER) both numbers are identical you can start charging by press START/ENTER button (). If not, press BATT TYPE/STOP button () to go back to previous screen to carefully check the number of cells of the battery pack before going ahead.



This screen shows the real-time status during charge process. Press BATT TYPE/STOP key () once to stop the charge process.

CHARGING LITHIUM BATTERY IN THE BALANCE MODE

This function is for balancing the voltage of Lithium-polymer battery cells while charging. In the balance mode, the battery needs to have a balance lead to connect to the individual port at the right side of the charger. And you need to connect the battery's output plug to the output of charger. Charging in this mode is different from the normal modes, because the built-in processor monitors voltage of individual cell and control input current fed into each cell to normalize the voltage.

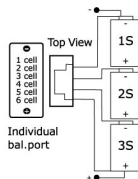
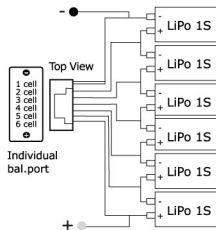


The value on the left side of the second lines sets the charge current. The value on the right side of the second lines sets the battery pack's voltage. After setting current and voltage, press START/ENTER () for more than 3 seconds to start the process.

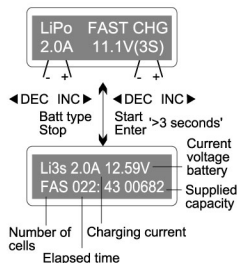
This displays the number of cells you set up and the processor Batt type Start detects. "R""ac shows the number of cells detected by the charger and "S""ac is the number of cells set by you at the previous screen. If both numbers are identical you can start charging by press START/ENTER button (). If not, press BATT TYPE/STOP button () to go back to previous screen to carefully check the number of cells of Start the battery pack before going ahead.

This screen shows the real-time status during charge process. Press BATT TYPE/STOP key () once to stop the charge process.

INDIVIDUAL CELL CONNECTION DIAGRAM (PIN-ASSIGNMENT OF 8-PIN)



FAST CHARGING OF LITHIUM BATTERY



Charging current will drop towards the end of charging. A specific CV process is reduced to end the charging process earlier. In fact, the charging current reaches 1/5 when the charging process comes to 1/10. Charging capacity is a little smaller than normal charging, but charging time is shortened accordingly.

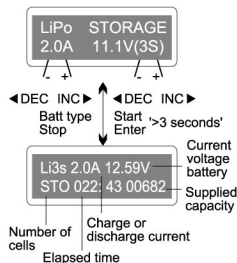
You can set up the charging current and voltage of the battery pack. Press START/ENTER key () to display voltage confirmation. Then press START/ENTER key () again to confirm and begin to charge.

This screen shows the real-time status of "fast charging". Press BATT TYPE/STOP key () once to stop the charge process.


STORAGE CONTROL OF LITHIUM BATTERY

This function is for charging/discharging batteries which are not used at once. This program is designed for charging or discharging of batteries of specific original state. They are classified by types: 3.75V Lilo, 3.85V LiPo and 3.3V LiFe. The program will begin to discharge if the original state of the battery exceeds the voltage level of storage.

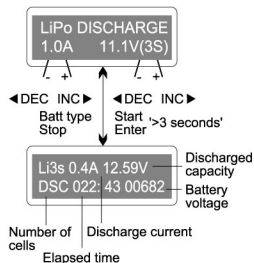
STORAGE CONTROL OF LITHIUM BATTERY





At this screen, you can set up the current and voltage of the battery pack. Charging and discharging will make the batteries come to the voltage level of "storage" state.

This screen shows the real-time status charging. Press BATT TYPE/STOP key () once to stop the charge process.


STORAGE CONTROL OF LITHIUM BATTERY

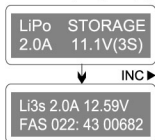


The value of discharge current on the left can not exceed 1C, and the value on the right can not be under the voltage recommended by the manufacturer to avoid deep discharging. Press START/ENTER () for more than 3 seconds to start charging.

This shows the real-time status of discharging, you can press BATT TYPE/STOP key () to stop discharging.

VOLTAGE BALANCING AND MONITORING DISCHARGE PROCESS


The processor monitors voltage on individual cell when the battery pack is in "storage" and "discharging" process. To launch this feature, plug each battery to the charger individually. If the voltage on any cell is abnormal, the T6AC/T6 displays an error message and immediately terminates the program. If a battery is either damaged or disconnected, an error message is displayed, press INC key () to identify which particular cell is damaged.

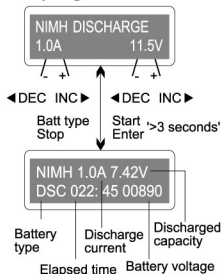



The processor detects voltage of one cell is too low.




The 4th cell was damaged. The value of voltage may be zero if disconnection occurs.

DISCHARGING OF NiCd/NiMH BATTERIES

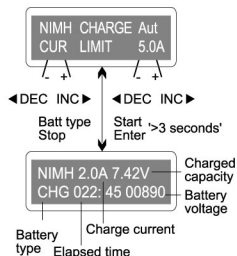
The screen displays real-time status. Press BATT TYPE/STOP key () to terminate the program. An audio signal is emitted indicating the program has ended.



Set charge current on the left and the final voltage on the right. Range of the charge current is 0.1-1.0A; range of final voltage is 0.1-25.0V. Press START/ENTER key () for more than 3 seconds to start the program.

The screen indicates the discharging state. You can press START/ENTER key () to alter discharge current. Press START/ENTER () again to store the value. Press BATT TYPE/STOP key () to stop discharging. The emitted sound alerts the end of discharging.

CHARGING OF NiCd/NiMH BATTERY

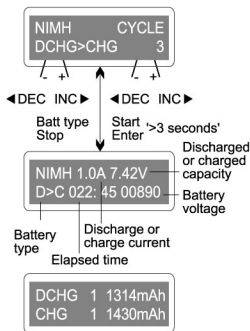


This program is for charging and discharging of NiCd/NiMH batteries associated with R/C models applications. You can press START/ENTER key () to make it blink and then INC () or DEC () to change the parameter value.

Press START/ENTER key () to store the value.

This program charge the battery using the current you set up. In the "auto" state, you should set up the upper limit of the charge current to avoid damage by excessive feeding current. Some batteries of low resistance and capacity can lead to higher current in the "auto" charging mode. But in the manual mode, it will charge with the current you set. You can make it blink in the current field and press INC () and DEC () at the same time to switch mode.

CHARGE/DISCHARGE AND DISCHARGE/CHARGE CYCLE OF NICD/NIMH BATTERY



You can set up sequence on the left and the number of cycles on the right. You can balance, refresh and break-in the battery with this function. You can set a temporary cool-off procedure in the user's setting. Range of the cycle number is 1-5.

Press BATT TYPE/STOP key (◀Stop Batt. Type▶) to stop program, you can press START/ENTER key (◀Enter Start▶) to alter charge current. The sound indicates the end of program.

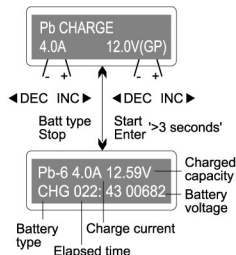
When it approaches to the end, you can see the capacity of the battery being charged or discharged. You can press INC (▶Inc.▶) or DEC key (◀Dec▶) to display result of each cycle.

Pb(LEAD-SULPHURIC)ACID BATTERY PROGRAM

This program is only suitable for charging Pb lead-acid battery with nominal voltage from 2 to 20V. Pb lead-acid battery is completely different from NiCd/NiMH battery. These batteries can only deliver current lower in comparison to their capacity. The same restriction applies to the charging process. Consequently, the optimum charge current can only be 1/10 of the capacity. Pb battery can not be used for fast-charging, please follow the instructions provided by the battery manufacturer.

You can press START/ENTER key (◀Enter Start▶) to make it blink and alter the value of parameters using INC (▶Inc.▶) or DEC key (◀Dec▶), press START/ENTER key (◀Enter Start▶) to store the value.

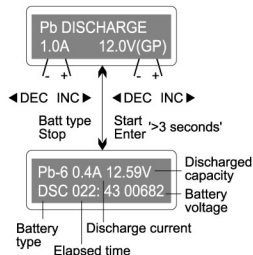
CHARGING OF THE Pb BATTERY



Set up the charge current on the left and nominal voltage on the right. Range of current is 0.1-5.0A, the voltage should match the battery being charged. Press START/ENTER key (Enter Start) for more than 3 seconds to start charging.

The screen displays the real-time discharging status. Press START/ENTER key (Enter Start) to alter discharge current. Press START/ENTER key (Enter Start) again to store the parameter value you set. Press BATT TYPE/STOP key (Stop Batt.Type) to end the program.

DISCHARGING OF THE Pb BATTERY

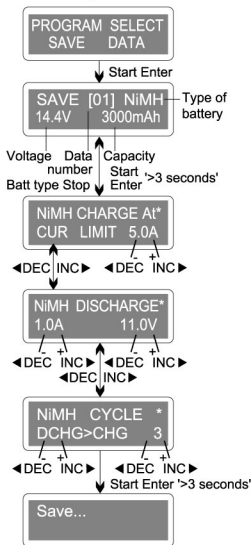


Set up the charge current on the left and nominal voltage on the right. Range of discharge current is 0.1-5.0A, the voltage should match the battery being charged. Press START/ENTER key (Enter Start) for more than 3 seconds to start charging.

The screen displays the real-time discharging status. Press START/ENTER key (Enter Start) to alter discharge current. Press START/ENTER key (Enter Start) again to store the parameter value you set. Press BATT TYPE/STOP key (Stop Batt.Type) to end the program.

DATA STORAGE PROGRAM

For your convenience, T6AC/T6 has a data storage and load program. It can store five battery data representing the respective specifications of batteries. You can call back the data when charging or discharging without setting up the program again. Press START/ENTER key (◀Enter Start▶) to make it blink, and use INC (◀Inc.▶) or DEC (◀Dec.▶) to set up the parameter.



Setting of the parameter in the screen will not affect the charge and discharge process. They just present the specification of the battery.

The example is NiMH battery pack, including 12 cells, the capacity is 3000m Ah.




Set up the charge current in the manual mode, or current limit in the auto mode. Press INC (◀Inc.▶) and DEC key (◀Dec.▶) simultaneously to make the current field blink to switch the charge mode.

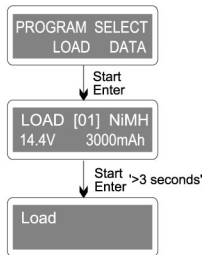
Set up the discharge current and final voltage.

Set up the charge/discharge sequence and cycle number.

Saving the data

LOAD DATA PROGRAM



This program is to load the data stored at the "save data" program. Press START/ENTER key () to make the data field blink and press INC () or DEC () for more than 3 seconds to load the data.



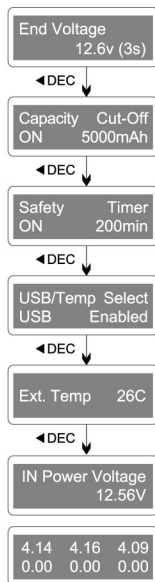
Choose the data number you want to call back. The data you want to call back will be displayed.

Loading the data.

VARIOUS INFORMATION IN THE PROGRAM

You can inquire various information on the LCD screen during the charging and discharging process. Press DEC key (), the charger will display users' setting. You can press INC key () to monitor voltage of each cell while the battery is connected with each port of the charger.

VARIOUS INFORMATION IN THE PROGRAM



It comes to the final voltage when the program ended.

3-pin connector is selected to be the USB port.

The external temperature is displayed when the temperature probe is used.

Present input voltage.

The battery is connected with each port through cable; you can check voltage of each cell in the battery pack. When the cable is connected with the ports on the right of the charger, the program will display voltage of up to 6 batteries. The battery pack needs an output connector connected with each cell.

WARNING AND ERROR INFORMATION

T6AC/T6 incorporates a variety of functions for the systems to verify processes and the state of the electronics. In case of an error the screen will display the cause of error and emit an audible sound.

REVERSE POLARITY

Incorrect polarity connected.

CONNECTION BREAK

Battery connection is interrupted.

SHORT ERR

Short-circuit of the output termination.

INPUT VOL ERR

Erroneous selection of voltage of Lithium pack, please check the voltage of the battery pack.

VOL SELECT ERR

The voltage of the battery pack has been selected incorrectly!

BREAK DOWN

The charger has malfunctioned for some reason. Seek professional advice.

BATTERY CHECK
LOW VOLTAGE

The voltage is lower than which is set. Please check the number of cells in the battery pack.

WARNING AND ERROR INFORMATION

BATTERY CHECK
HIGH VOLTAGE

The voltage is higher than which is set. Please check the number of cells in the battery pack.

BATTERY VOLTAGE
CELL LOW VOL

Voltage of one cell in the battery pack is too low, please check the voltage of each cell.

BATTERY VOLTAGE
CELL HIGH VOL

Voltage of one cell in the battery pack is too high; please check the voltage of each cell.

BATTERY VOL ERR
CELL CONNECT

Wrong connection of the connector detected; please check the connector and cable.

TEMP OVER ERR

The internal temperature is too high, please cool down.

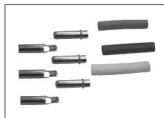
CONTROL FAILURE

The processor cannot control the feeding current, please repair it.

ACCESSORIES



AQ0836
GOLDEN
CONNECTOR SET,
3.5mm



AQ0837
GOLDEN
CONNECTOR SET,
4mm



No.2751
SEALED LEAD-
ACID BATTERY
12V/26Ah



No.2750
SEALED LEAD-
ACID BATTERY
12V/14Ah



No.2748
SEALED LEAD-
ACID BATTERY
12V/7.2Ah

Service



Thank you for purchasing the T6/T6AC Battery Charger. This Battery Charger was produced by Thunder Tiger Corp., a guarantee for high quality services, and hours of trouble free operation from our R/C products.

T6/T6AC is sold worldwide through authorized distributors supported directly by Thunder Tiger. To receive the latest product information ref. series products, and enjoy full technical support, please contact your nearest hobby shop or Thunder Tiger authorized distributor.

Manufactured by

THUNDER TIGER CORP.

<http://www.thundertiger.com>

JC2009