**CHARGE** (Charge start)

CHARGE MODE START

ENTER

BACK

Display during charging

C1833mAh 00:35:00
09.252V 5.00A CD

DEC INC

INPUT 12.343V
PEAK 09.450V

CHARGE MODE END

SETUP

E2350mAh 00:43:00
08.630V 150mA CD

DEC INC

INPUT 12.343V
PEAK 09.450V

Data erase.(To MODE DISPLAY)

CHARGE MODE
NiCd2400mAh 6CL

**DISCHARGE** (Discharge Start)

DISCHARGE MODE START

ENTER

BACK

Display during discharging

D1754mAh 00:03:12
06.852V 20.0A CD

DEC INC

INPUT 12.343V
AVERAGE 06.822V

DISCHARGE MODE END

SETUP

E1950mAh 00:05:45
07.621V 0mA CD

DEC INC

INPUT 12.343V
AVERAGE 06.822V

Data erase.(To MODE DISPLAY)

DISCHARGE MODE
NiCd2400mAh 6CL

**CYCLE** (Cycle Start)

CYCLE MODE START

(＊EX 1 CYCLE)

ENTER

BACK

Display during initial discharging

D D240mAh 00:001:12
07.163V 0mA CD

DEC INC

INPUT 12.343V
AVERAGE 06.452V

Display after initial discarge

D D1900mAh 0:05
07.630V NiCd

DEC INC

INPUT 12.343V
AVERAGE 06.421V

Display during charging

C 2100mAh 35:00
09.321V 5.02A CD

DEC INC

INPUT 12.343V
PEAK 09.052V

Display after charging

C D1 2550mAh 45:15
08.623V NiCd

DEC INC

INPUT 12.343V
PEAK 09.412V

Display during final test discharging

D C2100 D1850mAh
06.881V 00:35:15 CD

DEC INC

INPUT 12.343V
AVERAGE 06.912V

CYCLE MODE END

SETUP

Display after final test discharge

F C2550 D2350mAh
07.580V 00:07:05 CD

DEC INC

INPUT 12.343V
09..412pV 06.852 aV

Data erase.(To MODE DISPLAY)

CYCLE MODE
NiCd2400mAh 6CL

## SAFETY PRECAUTION

1. Do not leave the battery and the charger unattended while in use.
2. Do not operate the charger near water.
3. It is the users responsibility to follow battery mfg. suggested charging rate. Users must also closely monitor the pack temperature during fast charging. Overcharging may occur if the **16X7** malfunction or when user does not follow battery mfg. recommended charges rate.
4. Never connect the charger to an automobile while its engine is running.
5. This charger is not intended for use by unsupervised children.
6. This charger is designed for high power Ni-Cd&Ni-MH battery only.
7. When charging, also monitor the temperature of the charger.If the unit becomes too hot,disconnect the unit.

## CONNECTING THE POWER SOURCE & BATTERY PACK. Please see the SELECTION MENUS CHART

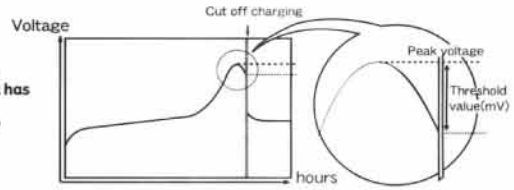
1. You can use any regulated supply or lead-acid battery which supplied 11.5-15 volts DC with at least 10A capacity.
   12V automotive charger also works fine. **16X7** shows previous s values when you connect the large input clips to power source.

   The RED Positive (+) large input clips to the POS (+) terminal of the power source, BLACK Negative (-) large input clips to the NEG (-) terminal of the power source


2. Connect the small alligator output clips to your NI-CD or NI-MH pack.
   The RED positive (+) alligator output clip to the positive (+) side of the battery pack ,BLACK negative (-) alligator output clip to the negative (-) side of the battery pack
   A poor connection can cause the charger to FALSE PEAK and turn before the charge is completed.
3. Change to the SETUP MODE when you press the back button . Follows 4.-13.selection control by DEC and INC button.
4. Select the battery type , change to next screen when press"ENTER".
5. Select the number of cells, change to next screen by pressing "ENTER".
6. Select the proper battery capacity, change to next screen by pressing"ENTER".
7. Select the desire charge current , change to next screen by pressing"ENTER". Please see the RATE-SELECTABLE CHART.
8. Select the desire discharge current , change to next screen by pressing"ENTER". Please see the RATE-SELECTABLE CHART.
9. Select the desire value of volt threshold , change to next screen by pressing "ENTER".

### VOLT THERSHOLD SETTING

The volt thershold value entered is the drop in millivolts that the **16X7** looks for to determine that the battery pack has peaked.This is adjustable from 1 to 20mV/cell(Ni-CD) and 1 to 15mV/cell(Ni-MH). To adjust, push the "ENTER" button from the Volt threshold screen.
Please see the RATE-SELECTABLE CHART.




**CAUTION: 1. IF you set up high volt thershold value that the rate is more than standard thershold value, The 16X7 gives longer charge to battery. This may overcharge your pack, causing chemical leak & overheat , internal damage to your batteries will result.**
**2. Don't use "RATE-SELECTABLE CHART" value for old and damaged battery , The 16X7 will not works correctly.**