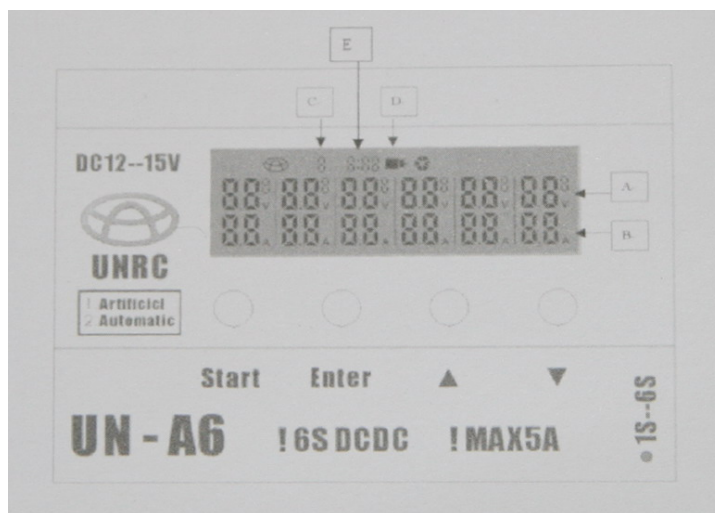


Instruction Manual for UN-A6 Charger

(Prepared by HiModel)



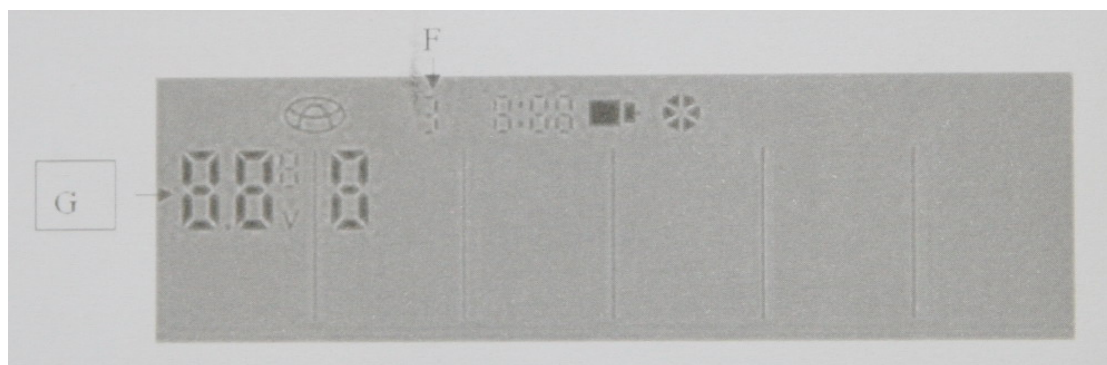
1. As shown on the image, there are 4 buttons on the charger, “Start “ for start and stop, “Enter” for setting, to increase and to decrease.
2. The options can be set for Charger UN-A6:
 - a. cut-off voltage (1.5V to 4.2V)
 - b. charging current (0.3 to 5A)
 - c. working mode 1 to 3
 - d. Fully charge (4.2V/cell) or charging for storage (3.85V/cell)
 - e. Charging time: when charging time is set, the charging process will complete when charging time is expired or the battery is full charged whichever is earlier.
 - f. Voltage calibration: this is advanced function, only do it when your digital multimeter resolution is 4 1/2 (accuracy 0.0001V) or higher.
3. Setting procedures:
 - 1) Cut-off voltage setting: press “Enter” button, all the digits in row “A” will flash in an interval of 0.5 second, press the increase or decrease button, all the digits will stop flashing and change accordingly, it will increase or decrease 0.01V each time you press it. You can also hold down the increase or decrease button to speed up the changing, and when press down the decrease and increase buttons at the same time, the voltage will jump in larger range. Press “Start” to quit the rest settings.
 - 2) To continue setting, just press “Enter” once more, then the digits in row “B” will flash in a n interval of 0.5 second, indicates now you are in charging current setting, press the increase or decrease button, all the digits will stop flashing and change accordingly, it will increase or decrease 0.1A each time you press it. You can also hold down the increase or decrease button to speed up the changing, and when press down the decrease and increase buttons at the same time, the voltage will jump in larger range. Press “Start” to quit the settings.
 - 3) Press “Enter” again, the digit that arrow C pointed to will flash in an interval of 0.5 second, now you are in charging mode setting, press increase or decrease button, it will stop flashing, and the figure will change from 1 to 3. Mode 1 stands for Manual charging mode, Mode 2 stands for

Auto charging mode, when battery is connected, CPU of the charger will auto-detect if the battery need to be charged, if so, it will automatically start charging in about 2 seconds. Mode 3 is voltage calibration mode (only in this mode, will the option of voltage calibration display) press increase or decrease to adjust. Press “Start” to quit rest settings.

4) To continue setting, press “Enter” once more, then the battery icon that arrow D pointed to will flash in an interval of 0.5 second, now you are in full charging and storage charging mode. Press the decrease or increase button, the icon will change, a half charged battery icon means 40% (3.85V/cell) charging which is for storage purpose, and a full charged battery icon means 100% charging. Press “Enter” to quit rest settings.

5) To continue setting, press “Enter” once more, then the 3 digits that arrow E is pointed to will flash in an interval of 0.5 second, now you are in charging time mode, press increase or decrease button, the digits will stop flashing and change accordingly, the time range you can set is 1 minute to 600 minutes. Press down decrease and increase buttons at the same time, it will reset the setting to zero. (When charging time is set, when charging start, it will count down from the time you set). Press “Start” will quit setting, press “Enter” will also quit setting in this step.

6) The last option, voltage calibration, which is rarely used (Do not do it if your multimeter is not 4 1/2 (accuracy 0.0001V) or higher in accuracy)



Procedures of voltage calibration:

6.1 Press 3 times “Enter”, you will enter into Charging Mode manual (Arrow F on the image), change the mode to mode 3 (the voltage calibration option only display under mode 3), press “Enter” 3 times more, now you jump to the Voltage calibration option.

6.2 On the Voltage calibration setting screen, the 4 digits that arrow G pointed to will flash in an interval of 0.5 second, and the voltage displayed is the system voltage before calibration. As this charger’s accuracy is up to mV, so it borrows one digit from the second group to display the mV voltage. (refer to image 2)

6.3 Measure the voltage of the first cell of your battery with your multimeter (The charger will only take the voltage of the first cell as benchmark voltage), write down the voltage you measured, and plug the battery to the charger. (Note: do not press increase or decrease buttons unless you really want to re-calibrate the system voltage.)

6.4 Press increase or decrease button, the 4 figures on the screen will stop flashing and change accordingly, input the voltage you just measured, and then press “Enter” or “Start” button, then the charger A6 will rectify the system voltage, and all the voltage of the 6 groups will be adjusted

automatically, once the calibration completes, the charging mode will back to mode 1 automatically.

When “Start” button is pressed, the charger will enter into charging mode, there is an icon like rotating windmill will display in charging mode, press “Start” again, it will stop charging, the windmill icon also disappear. No settings can be made in charging mode, you have to quit charging mode when want to change any setting of the charger.