



INSTRUCTION MANUAL

1. Performance Parameter

Input voltage	[DC]	11.0V-18.0V
	[AC]	100V-240V
Charge current	[A]	6.0A
Discharge current	[A]	2.0A
Charge power	[W]	50W
Discharge power	[W]	5W
Balance current	[mA]	400mA
Balance tolerance	[V]	±0.01V
Charging Capability	NiCd/NiMH	1~15cells
	Li-Po, Li-Ion, Li-Fe	1~6cells
Pb battery voltage	[V]	2~24
Weight	[g]	800g
Dimensions	[mm]	136X148X45mm

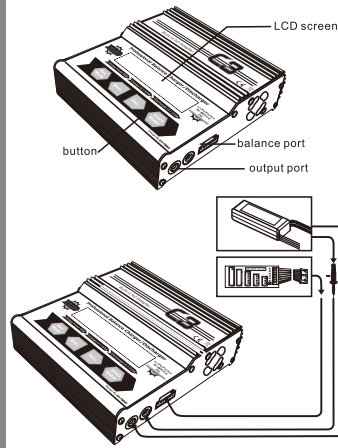
2. Key Features

- "MODE/ESC": mode selection/stop/back button, Press this key to the main menu and to stop during the process.
- "DEC/INC": reduce and increase button, you can reduce and increase parameters value, and browse other concerning informations by using this button during charge or discharge process.
- "ENTER/START": select/enter button, to start working by press it more than 2 seconds.

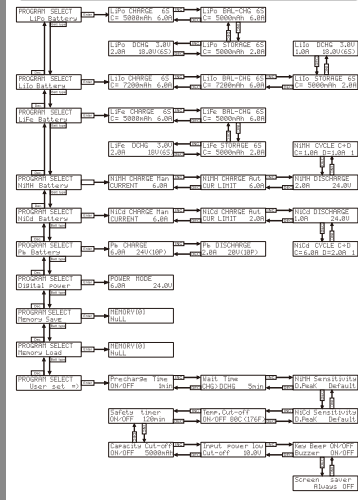
3. Warning and safety Notes

- WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.
- WARNING:** Failure to exercise caution while using this product and comply with the following warnings could result in product malfunction, electrical issues, excessive heat, fire and ultimately injury and property damage.
- CAUTION: Not for children under 14 years. This is not a toy.**
- Charging Warnings**
 - Never leave the power supply, charger and battery unattended during use.
 - Never charge batteries overnight.
 - Never attempt to charge dead, damaged or wet/battery packs.
 - Never attempt to charge a battery pack containing different types of batteries.
 - Never charge batteries in extremely hot or cold places or place in direct sunlight.
 - Never charge a battery if the cable has been pinched or shorted.
 - Never connect the charger if the power cable has been pinched or shorted.
 - Never connect the charger to an automobile 12V battery while the vehicle is running.
 - Never attempt to dismantle the charger or use a damaged charger.
 - Never attach your charger to both an AC and a DC power source at the same time.
 - Never connect the input jack (DC input) to AC power.
 - Always use only rechargeable batteries designed for use with this type of charger.
 - Always inspect the battery before charging.
 - Always keep the battery away from any material that could be affected by heat.
 - Always monitor the charging area and have a fire extinguisher available at all times.
 - Always end the charging process if the battery becomes hot to the touch or starts to change form (swell) during the charge process.
 - Always connect the charge cable to the charger first, then connect the battery to avoid short circuit between the charge leads. Reverse the sequence when disconnecting.
 - Always connect the positive red leads (+) and negative black leads (-) correctly.
 - Always disconnect the battery after charging, and let the charger cool between charges.
 - Always charge in a well-ventilated area.
 - Always terminate all processes and contact EV-PEAK if the product malfunctions.
- WARNING:** Never leave charger unattended, exceed maximum charge rate, charge with non-approved batteries or charge batteries in the wrong mode. Failure to comply may result in excessive heat, fire and serious injury.
- CAUTION:** Always ensure the battery you are charging meets the specifications of this charger and the charger settings are correct. Not doing so can result in excessive heat and other related product malfunctions, which can lead to user injury or property damage. Please contact EV-PEAK or an authorized retailer with compatibility questions.

4. Exterior



5. Programming Guide



6. Battery charging

The charger has default settings which are compatible with the most popular batteries. If you wish to change the default settings please go to p.07 of these instructions.

6.1 Lithium batteries (LiPo, LiFe and Li-Ion)

From the program select screen, use the STOP or - keys to select LiPo battery type and then press the START key.



By pressing the + and - keys, you can select the different function modes:
LiPo CHARGE: Normal charge, balancing if balance connector connected (not mandatory but recommended)

LiPo BAL-CHG: Balance charge, use of balancing connector mandatory
LiPo STORAGE: Storage charge or discharge (to 50% of capacity)
LiPo DCHG: Discharge of the battery

Warning! For increased safety, we recommend that you always connect the battery balancing connector to the charger when charging LiPo or LiFe batteries.

Modifying the settings

Press the START key so that the charge/discharge current or battery voltage (cell count) setting blinks. Use the + and - keys to adjust the cell count (18 to 6S), confirm with ENTER and use the + and - key to adjust the max. capacity. After confirmation with ENTER set the charge or discharge current.

Launching the charge or discharge

Once you are ready to start the charge or discharge, press and hold the START key. The check screen is displayed.

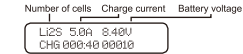


R: indicates the cell count detected by the charger
S: indicated the cell count selected by the user.

Warning! If the R and S values are different do not start the charge!

Press the STOP key to go back and check the settings and the battery.

If the values are similar, press the START key to begin the procedure. The charge screen will be displayed.

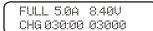


Mode Charge time Charged capacity

CHG = normal charge mode BAL = balance charge mode
FAS = fast charge mode STO = storage charge mode
DSC = discharge mode

While the charger is charging or discharging the battery, by pressing the START key and using the + and - keys you can modify the actual charge and discharge current. Then, press the START key again. You can use the + and - keys to change the information displayed on the screen. Please refer to p.12 for information about the various screens available.

stops and the "FULL" or "END" message is displayed.
Once the charger has determined that the charge or discharge is complete, the charger



Note: you can stop the current process at any time by pressing the STOP key.

6.2 NiCd/NiMH batteries

From the program select screen, use the STOP or - key to select NiCd or NiMH battery type and then press the START key.



By pressing the + and - keys, you can select the different function modes:
NiMH CHARGE: Man Normal charge
NiMH CHARGE: Aut Normal charge, auto charge current up to the user limit
NiMH DISCHARGE: Discharge the battery
NiMH CYCLE: Cycle the battery

Modifying the settings

To modify the charge settings, press the START key so that the charge current blinks. Use the + and - keys to increase or decrease the charge current.



To modify the discharge settings, press the START key so that the discharge current or discharge end voltage starts to blink. Use the + and - keys to increase or decrease the discharge current or the discharge end voltage (0.1V - 28.0V).

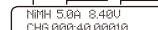


The cycle mode uses the current charge and discharge settings.

Launching the charge or discharge

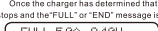
Once you are ready to start the charge, discharge or cycling, press and hold the START key for three seconds.

Battery type Charge current Battery voltage



Mode Charge time Charged capacity
CHG = normal charge mode DSC = discharge-charge cycle
DSC = discharge mode C-D = charge-discharge cycle
While the charger is charging or discharging the battery, by pressing the START key and using the + and - keys you can modify the actual charge and discharge current. Then, press the START key again.

You can use the + and - keys to change the information displayed on the screen. Please refer to p.06 for information about the various screens available.
Once the charger has determined that the charge or discharge is complete, the charger stops and the "FULL" or "END" message is displayed.



Note: you can stop the current process at any time by pressing the STOP key.

6.3 Lead batteries

From the program select screen, use the STOP or - key to select Acid Lead (Pb) battery type and then press the START key.



By pressing the + and - keys, you can select the different function modes:
Pb CHARGE Normal charge Pb DISCHARGE Discharge the battery
DSC = discharge mode

Modifying the settings

If you need to modify the charge or discharge settings, press the START key so that the charge/discharge current or battery voltage (cell count) setting blinks.

Use the + and - keys to increase or decrease the charge or discharge current or the cell count (2Vto 20V - 1P to 10P).

Launching the charge or discharge

Once you are ready to start the charge or discharge, press and hold the START key for three seconds.



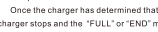
Mode Charge time Charged capacity

CHG = normal charge mode DSC = discharge mode

While the charger is charging or discharging the battery, by pressing the START key and using the + and - keys you can modify the actual charge and discharge current. Then, press the START key again.

You can use the + and - keys to change the information displayed on the screen. Please refer to p.12 for information about the various screens available.

Once the charger has determined that the charge or discharge is complete, the charger stops and the "FULL" or "END" message is displayed.



Note: you can stop the current process at any time by pressing the STOP key.

说明书 C3

2015-05-28

说明书

尺寸:420X286mm

材质:80g书纸

工艺:正反面单黑印刷 (风琴式折叠+对折)

料号:B0901-SC3X1-01

说明:

			产品部 2015.05.29 李奇伟
核准	业务经理	业务确认	平面设计