

TOUCH™



- * Automatic detect battery **TYPE**.
- * Automatic detect battery **CELLS**.
- * Automatic detect battery **CAPACITY**.



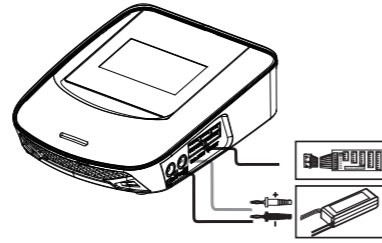
INSTRUCTION MANUAL

Performance Parameter

Input Voltage	[DC]	11-18V
	[AC]	100-240V
Charge Current	[A]	0.1 - 10.0
Discharge Current	[A]	0.1 - 2.0
Charge Power	[W]	max. 80
Discharge Power	[W]	max. 10
Balance current	[mA]	max.450
Balance tolerance	[V]	±0.01
Charging Capability	NiMH/NiCd	1 - 16 cells
	LiPo/LiFe/LiIon	1 - 6 cells
Pb battery voltage	[V]	2-20
Discharge	LiPo/LiFe/LiIon	2.0 - 4.2V/cell
Weight	[g]	605
Dimensions	[mm]	180x145x57

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Connection



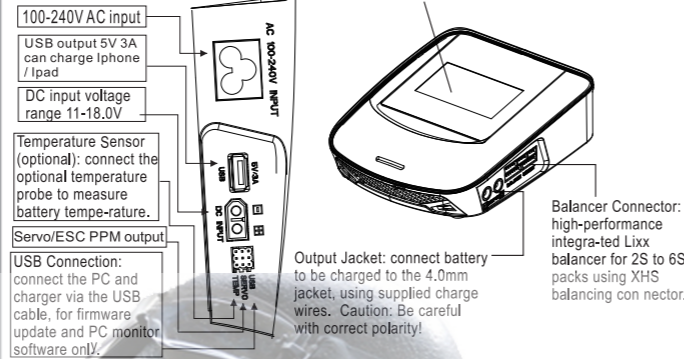
WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating.

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 that the charger setting are correct. Not doing so can result in excessive heat and other related product malfunctions, which can lead to user injury or property damage.

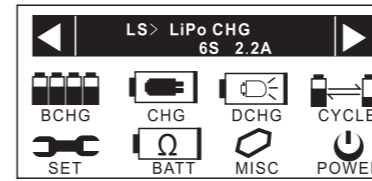
Exterior:



CAUTION: Always power on the charger before connecting a battery to the charger, or damage to the charger and the battery can result.

1. Connect charger to power source.
2. Make program selections in the charger for battery charging.
3. Connect balance adapters to charger.
4. Connect battery to charger adapters (connect main charging connectors before connecting cell-balancing connectors, where used).
5. Start battery charging.

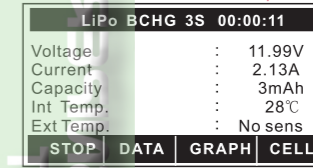
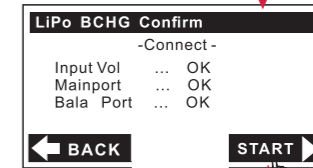
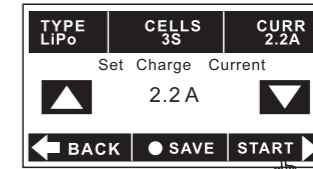
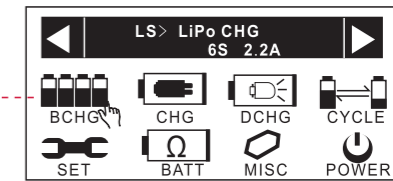
Main Screen



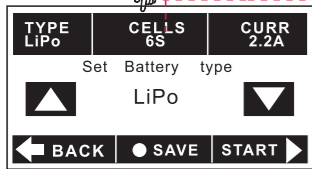
- 1) [Left/Right Arrow] : Select the charger's memory.
- 2) [Left/Right Arrow] : Enter the memory into the charging/ balancing charging/ discharging/ cycle.
- 3) [BCHG] : Enter into the balancing charging mode.
- 4) [CHG] : Enter into the charging mode.
- 5) [DCHG] : Enter into the discharging mode.
- 6) [CYCLE] : Enter into the cycle mode.
- 7) [SET] : Enter into the setup mode.
- 8) [BATT] : Enter into the battery monitor mode.
- 9) [MISC] : Enter into additional function mode.
- 10) [POWER] : Enter into digital power mode.

* LS>Last working mode.

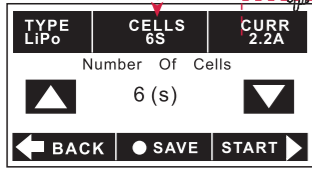
Balancing Charging /Charging/ Discharging/Cycle Mode



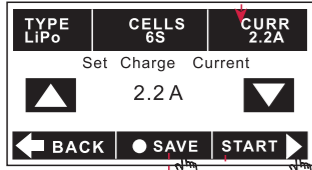
Balancing Charging /Charging/ Discharging/Cycle Mode



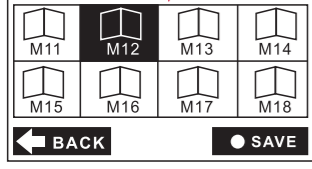
1) Battery type



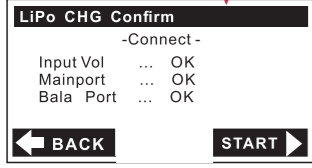
2) Number of cells



3) Charge/Discharge Current

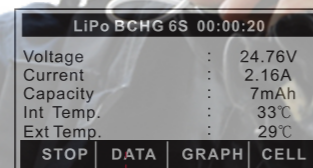


4) Save

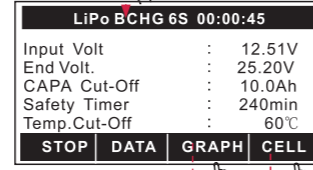


5) Input Voltage / Battery Check

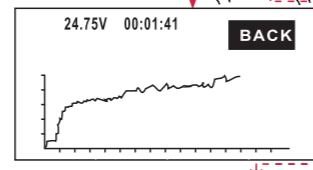
Balancing Charging /Charging/ Discharging/Cycle Mode



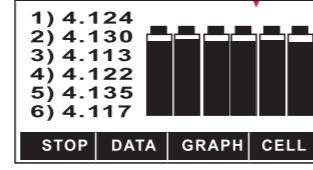
1) Charging/Discharging Data



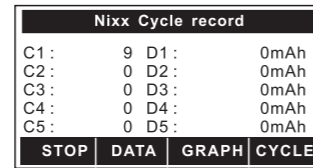
2) Charge/Discharge Set Data



3) Graph

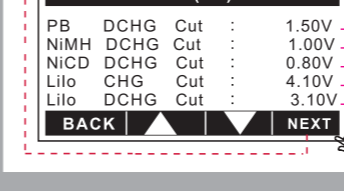
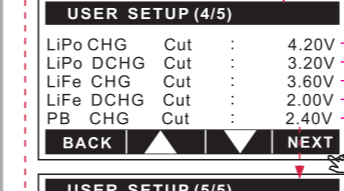
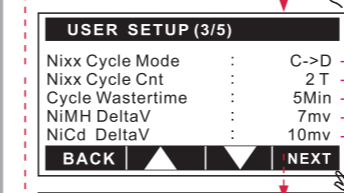
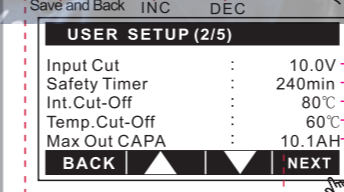
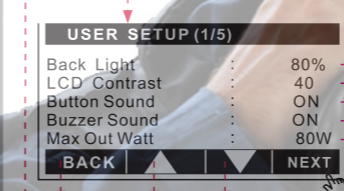


4) Cells



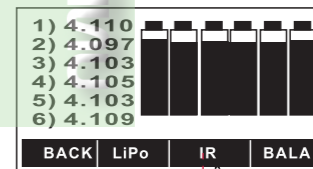
5) NiMH/ NiCD Cycle

Setup Mode

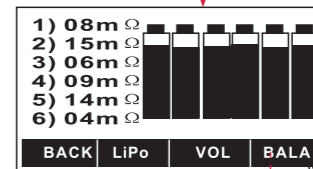


▲ and ▼ just means + and - .Not for selecting each function. You should select any one function ,then touch the arrow, + or - just decide by you.

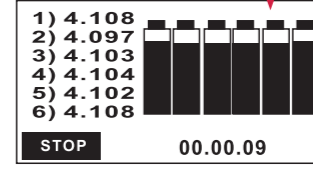
Battery Monitor Mode



LiPo 1) Can Select LiPo/ LiFe/LiIo

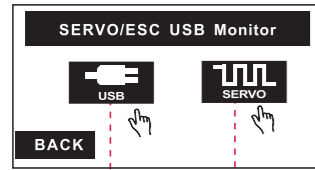


VOL 2)Can select Voltage /Internal Resistance

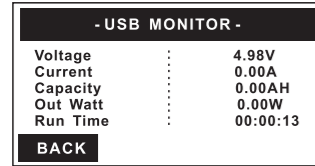


BALA 3) Balancing

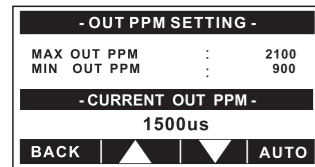
Additional Function Mode



1) Can Select USB Monitor / Servo Tester

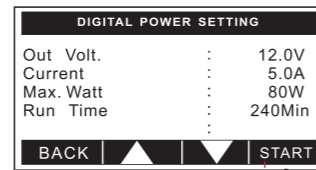


2) USB Monitor

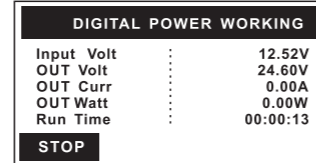


3) Servo Tester

Digital Power Mode



1) Set Voltage / Current / Watt / Run Time



2) Digital Power Working

▲ and ▼ just means + and - .Not for selecting each function. You should select any one function ,then touch the arrow , + or - just decide by you.

Warning and error messages



→ The output is connected to a battery with incorrect polarity



→ Unit cell voltage too high



→ Not connected or connection interruption



→ Balance port connection error



→ Output short circuits



→ Charge overheating



→ Input voltage error, below or over the limit of 11-18V



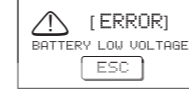
→ Power exceed the limit in the digital power mode



→ Charger fault



→ Current exceed the setting in the digital power mode



→ Total voltage too low



→ Exceed the maximum safe time limit



→ Total voltage too high



→ Exceed the maximum capacity limit



→ Unit cell voltage too low



→ External temperature too high

Instructions for disposal of WEEE by users in the European Union



This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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