

INSTRUCTION MANUAL

Dual Channels LiPo/LiHV Intelligent Charger



UP1100

Product Description

UP1100 is specifically designed for dual channels LiPo/LiHV charger, it can charge & storage 2pcs of 2-6S LiPo/LiHV battery packs simultaneously, with "one-button charge" function, easy to use. In addition, UP1100 has over-voltage, over-current, reverse polarity, and over-temperature protection to ensure maximum safety.



Specifications

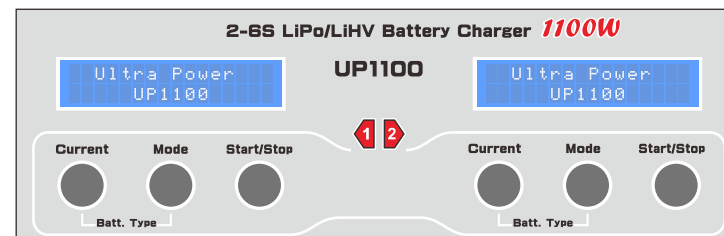
Input Voltage: AC 110V or 220V	Battery Type: LiPo4.20V / LiHV4.35V / LiHV4.40V
Charge Output Power: 1100W(550W x2)	Battery Cell Count: 2-6S
Discharge Power: 80W(40WX2)	Working Mode: CHARGE / STORAGE
Charge Current : 5A/10A/16A/22A	Dimension: 260X150X140mm
Balance Current: Max.1.5A/cell	Net Weight: 3.9KG

Features

- Support charging 2 pcs of 2-6S LiPo/LiHV batteries.
- Charging current is adjustable: 5A/10A/16A/22A
- Two working modes: Charge mode, Storage mode.
- Memorizing last charging current.
- Multiple protection function: over-voltage, over-current, reverse polarity, and over-temperature protection.

Operation Procedure

1. Power on: Connect to the power source and turn on the power switch, the LCD display screen will show LOGO and model, and then it will enter into the standby page.



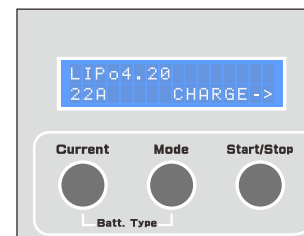
2. Battery connection: Please connect your batteries according to below picture.



1) Connect to the battery

2) Connect to the balance socket

3. Setting the charging parameter.



Battery type: LiPo 4.20V/LiHV4.35V/LiHV4.40V



Charging Current: 5A/10A/16A/22A

Working Mode: CHARGE / STORAGE



- 1) Press "Current" button to choose the appropriate current, 5A,10A,16A,22A (Normally, we suggest to charge with 1C charge current).



- 2) Press "Mode" button to choose working modes: CHARGE, STORAGE(the default mode is CHARGE mode).

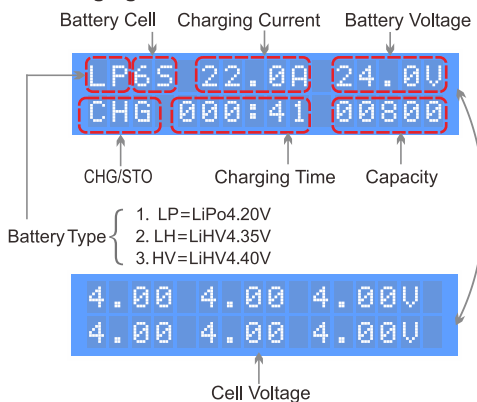


- 3) Long press "Start/Stop" button for 2 seconds until heard "beep" sound, then the charger will enter charging process.

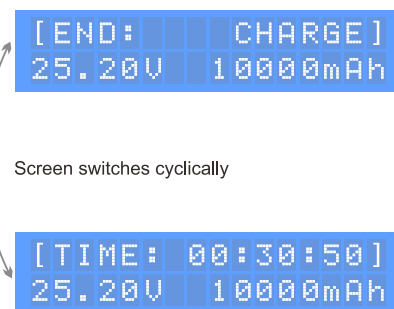
Stop: If you want to stop in working process, please press "Start/Stop" button.

Charging Process, Indicate The Battery Level Status

1. Charging Status

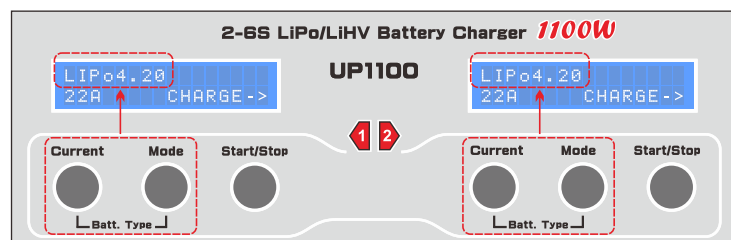


2. Charging Complete

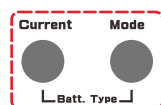
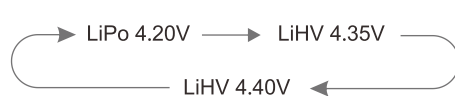


Switch The Battery Type

⚠ Please take seriously with this function, wrong battery type connected will damage battery even catch fire explosion.



Press the buttons "Current" and "Mode" simultaneously for 1 second, and battery type will be switched as below.



Storage Mode

If a Lithium battery is not used for long time, it's highly recommended to charge or discharge the battery to 3.80V with Storage mode so as to extend the battery's life. When the battery voltage is higher than 3.80V per cell, the charger will discharge the battery; on the opposite, when the battery voltage is lower than 3.80V per cell, the charger will charge the battery under Storage mode.

Mode Press the "Mode" button, choose the Storage mode.

Start/Stop Long press the "Start/Stop" button, enter into the Storage mode.

Important Information Tips

When the charger appear below abnormal situations, LCD display screen will appear fault message, please refer to below specific message notification and reasons.



Note: LCD screen will appear fault message.

Fault message

Cause analysis

Connection Break	No battery connected: check if the battery main port correctly connected to the device.
Reverse Polarity	Battery polarity reversed: check the battery main port, polarity connected.
Cell Voltage High	Balance socket voltage abnormality: check if the battery balance port correctly connected to the device; check the battery voltage is normal or not.
INT. TEMP High	Temperature protection: check the cooling fan running is normal or not and check if the external environment temperature is too high.
Over Load!	Current overload protection: the device will stop charging once the current over 30A.

Cautions

1. You will hear "beep" sound for 5 seconds when charger detects the fault, and the screen will appear the fault message until you press "Start/Stop" button.
2. The balance socket of your battery must be connected correctly to the charger while charging, or else charger will appear fault message.

Important Warning and Safety Instruction

- ⚠ These warnings and safety instructions are particularly important. Please follow the instructions for maximum safety. Otherwise the charger and the battery can be damaged or at worst it can catch fire.
1. 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.
 2. Keep the charger away from dust, moist, rain, heat, direct sunshine and vibration.
 3. The input voltage is AC 110V or AC 220V, before connect to the power source, please keep its input voltage is the same as the charger's.
 4. Default battery type is standard LiPo battery type with charge mode. Before connecting the battery, please keep the battery type comply with the charger setting.

Liability exclusion

This charger is designed and approved exclusively for use with the types of battery stated in this Instruction Manual. Ultra Power accepts no liability of any kind if the charger is used for any purpose other than that stated.

We are unable to ensure that you follow the instructions supplied with the charger, and we have no control over the methods you employ for using, operating and maintaining the device. For this reason we are obliged to deny all liability for loss, damage or costs which are incurred due to the incompetent or incorrect use and operation of our products, or which are connected with such operation in any way. Unless otherwise prescribed by law, our obligation to pay compensation, regardless of the legal argument employed, is limited to the invoice value of those Ultra Power products which were immediately and directly involved in the event in which the damage occurred.

Warranty And Service

We guarantee this product to be free of manufacturing and assembly defects for a period of one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes.

You will be required to produce proof of purchase (invoice or receipt). This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification or as a result of failure to observe the procedures outlined in this manual.