

INSTRUCTION MANUAL

8 Channels LiPo/LiHV Charger For UAV Drones

ULTRAPOWER

UP1200+

Product Description

UP1200+ is specifically designed for 8 channels LiPo/LiHV Charger of UAV Drones, and built-in charging nanny function, which can turn charging the battery in turn, and automatically turn to the next batch packs(2pcs battery packs)once fully charged in last batch. It also can support charge & fast charge & storage mode, and UP1200+ has short-circuit protection, reverse polarity protection, and overheat protection to ensure maximum safety.



Specification

Input Voltage : AC 220V

Charge Output Power : 1200W (600WX2)

Discharge Power : 280W (35WX8)

Charge Current : 5A/10A/15A/20A/25A

Balance Current : 1.5A/cell

Battery Type : LiPo/LiHV

Battery Cell Count : 2-6S(also can charge 2S/3S radio battery)

Working Mode : Charge/Fast Charge/Storage

Dimension : 270X190X160 mm

Net Weight : 4.61KG

Features

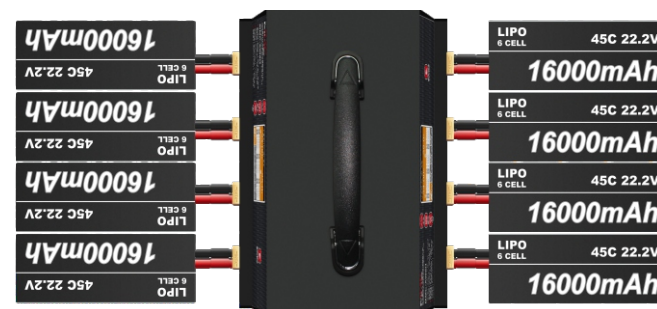
1. Support charging 8 pcs of 2-6S LiPo/LiHV batteries and built-in charging nanny, 4 channels per side.
2. Each side works independently, the charger can automatically turn to the next battery pack once fully charged.
3. Support to charge/discharge with 8 battery packs simultaneously under storage mode.
4. With independent radio battery connection port, support to charge 2S/3S radio battery. (Only one radio battery can be charged one time).
5. Memorizing last charging current.
6. 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. All the working indicators will illuminate for 2 seconds, and the LCD display screen will show the start-up page for 2 seconds, and then it will enter into the standby page.

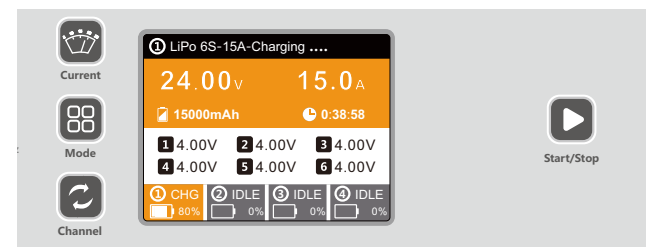


2. Battery connection: Please connect your batteries according to below picture.




- 1) Connect to the battery 2) Connect to the balance socket.

3. Setting the charging parameter.



- 1) Press button to choose the appropriate current, 5A,10A,15A,20A,25A(Normally, we suggest to charge with 1C charge current).
- 2) Press button to choose the mode you need, can choose charge mode, fast charge mode, storage charge mode, the default mode is charge mode.
- 3) Press + simultaneously to choose the battery type, the default battery type is LiPo.
- 4) After all the setting done, long press "Start/Stop" for 2 seconds until heard "beep" sound, then the charger is under charging process , the indicator shows in red, when fully charged, the indicator shows green color.


5) Press  button to switch the battery data of each channel in the LCD display screen, LCD display screen just display one battery data at one time, if you want to see other battery data, you can press this button to reach.

6) Stop: If you want to stop in working process, please press  button.



Switch With LiPo Battery And LiHV Battery

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

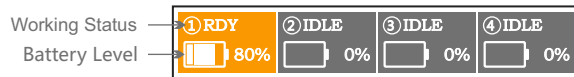
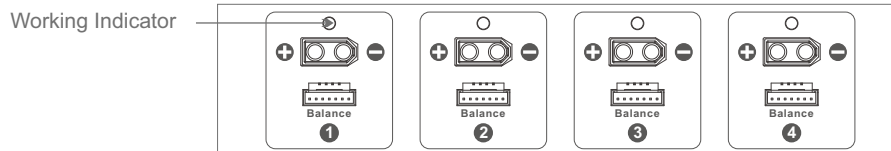
1) LiPo battery switch to LiHV battery

Press the  and  simultaneously for 3 seconds, the device will go into LiHV battery mode.

2) LiHV battery switch to LiPo battery

Only need to press the  and  buttons simultaneously, the device will go into LiPo battery mode. (LiPo cut off voltage: 4.2V, LiHV cut off voltage: 4.35V).

Working Status Shows By LCD And Indicator



LCD Display Screen

Charging Status	Working Indicator	LCD Display Screen
Standby without battery	Off	IDLE
Standby and plug in the battery	Flash in green color	RDY
Charging/Fast Charging/Storage Charging Status	Red color	CHG/FAST/STO
Fully charged, complete charging	Green color	Done

Charging Nanny Working Process

Charge/Fast charge mode : the device can turn charging the battery in turn and automatically check the battery is fully or not, turn to next packs when fully charged with last packs (2pcs/batch).

One side : channel ① → ② → ③ → ④ The other side : channel ⑤ → ⑥ → ⑦ → ⑧

1. Connect 4 battery pack : ① fully charged → ② fully charged → ③ fully charged → ④ fully charged

2. Connect ① & ③ channel battery pack ① fully charged → ③ fully charged

3. Connect ④ channel battery, do not press stop button, directly connect ① ② ③ channel battery, ④ fully charged → ① fully charged → ② fully charged → ③ fully charged (observe the principle: first connect, first charge), the same to the other side.

Storage mode: 8 battery packs can be charged/discharged simultaneously under storage mode.

Storage Mode

If a Lithium battery is not used for long time, it's highly recommended to charge or discharge the battery to 3.85V with Storage mode so as to extend the battery life. when the battery voltage is higher than 3.85V per cell, the charger will discharge the battery; on the opposite, when the battery voltage lower than 3.85V per cell, the charger will charge the battery under Storage mode.



Press the "Mode" button, choose the Storage mode, the LED will be lighted.



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

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 220V, before connect to the power source, please keep its input voltage is the same as the charger's.
4. Default battery type of the charger is standard LiPo battery type. Before connecting the battery, please keep the battery type comply with the charger setting.

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.