

### UP4AC PLUS

#### Compact Charger

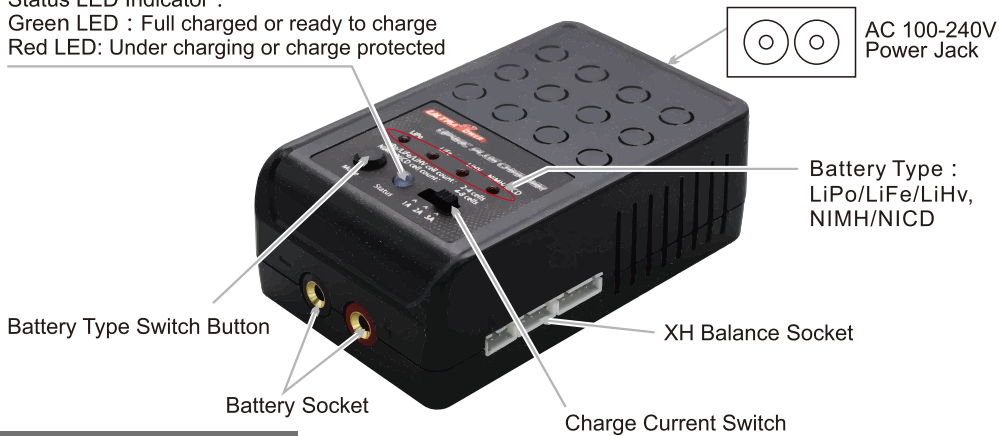
#### INTRODUCTION

Thank you for your choice of the UP4AC Plus, 100-240V AC balance charger. This unit is simple to use but its operation does require some knowledge on the part of the user. Please read this entire operating manual completely and attentively before using this product, as it covers a wide range of information on operating and safety.

UP4AC Plus Charger is an economic, high quality 100-240V AC balance charger, designed for charging LiPo/LiFe/LiHv batteries from 2-4 cells and NiMH/NiCd batteries from 4-8 cells. The circuit power is 30W and max charge current can reach to 3A. There are three different charge current 1A/2A/3A which can be selected. You could select the proper charge current according to battery capacity.

Status LED Indicator :

Green LED : Full charged or ready to charge  
Red LED: Under charging or charge protected



#### CHARGE PROCEDURES

UP4AC Plus comes with the built in power supply. You can connect the AC power cord to the AC socket (100-240V AC) directly.

#### For charging Lipo/LiFe/LiHV battery type

Please refer to following steps to charge the battery,

- 1) Insert the AC power cord into the charger.
- 2) Insert the AC cord into a wall socket (100-240V). All 5 LEDs will light for 1-2 seconds and switch to first LED light on, then charge status LED will flash green which indicates the charger is ready to charge.
- 3) Push mode button to select the proper charging battery type
- 4) Select the proper charging current 1A/2A/3A by the toggle switch.
- 5) Connect the battery to the charger main battery lead to battery socket and balance wires to balance socket. Then charger starts charging.
- 6) During the charging progress, when the charge status LED glows constant red, the charger is charging in CC mode; when the charge status LED glows constant orange, the charger is charging in CV mode;
- 7) When the battery is fully charged, the charge status LED will glow constant green.
- 8) Unplug the battery from the charger and the charge status LED will flash green which indicates the charger is ready to charge another battery.

#### For charging NiMH/NiCd battery type

Please refer to following steps to charge the battery.

- 1) Insert the AC power cord into the charger.
- 2) Insert the AC cord into a wall socket (100-240V). All 5 LEDs will light for 1-2 seconds and switch to first LED indicator, then charge status LED will flash green which indicates the charger is ready to charge.
- 3) Push mode button to switch NiMh/MiCd LED indicator.
- 4) Select the proper charging current 1A/2A/3A by the toggle switch.
- 5) Connect main battery lead to battery socket only, push mode button 2-3seconds, Status LED will change from green blinking to red constantly, then charger starts charging.
- 6) When the battery is fully charged, the charge status LED will glow constant green.
- 7) Unplug the battery from the charger and the charge status LED will flash green which indicates the charger is ready to charge another battery.

#### CAUTION:

Please use the correct way to connect your battery to the UP4AC Plus charger while charging in balance mode. Failure to connect will damage this charger.

For LiPo/LiFe/LiHv battery charging, the main battery leads must be connected along with the balance lead connector as shown before charging your battery!



#### Protection Status

Connection break	5 red LED blink in one time and then Pause for a second
Balance connect error	5 red LED blink in three times and then Pause for a second
Temperature protection	5 red LED blink in four times and then Pause for a second
Reverse polarity/Over Charge	5 red LED blink in five times and then Pause for a second

#### SPECIFICATION

AC Input Voltage	100-240V AC
Output Power	30W
Charge Current	1A/2A/3A
LiPo/LiFe/LiHv cell count	2-4 cells
NiMH/NiCd battery cell count	4-8 cells
Dimension	110x68x35mm
Weight	220g



Manufactured by  
Ultra Power Technology Limited  
www.ultrapower.hk  
E-mail:info@ultrapower.hk