

**System Feature** 系統特色

- 1.Utilizes programmable firmware control for higher conversion efficiency, with reduced input power consumption.**
- 2.Protection against input voltage, current, overload, and over temperature.**
- 3.Error condition display and audible alarm to assist in abnormal condition discovery and troubleshoot.**
- 4.Application to Align Li-Po chargers 3CX, 4CX, 6CX**

- 1.採可程式晶片控制,提供高效能轉換效率,節約直流輸入電能量。
- 2.整合輸入電壓、電流、過載及溫度多項功能規格保護。
- 3.人性化提供錯誤狀態警示、嗚叫,以利於異常狀態的發現與故障排除。
- 4.可應用於ALIGN Li-Po充電器 3CX/4CX/6CX。

**Specifications** 直流交流轉換器規格

- 1.Input power: Direct Current (DC) 11.0~14.5V, or Lead Acid Pb 12V (automotive) battery.**
- 2.Output power: Alternating Current (AC) 110V±5% / 60HZ**
- 3.Idle Current: Less than 0.3A**
- 4.Low voltage alarm threshold: 10.5V±0.5V**
- 5.Low/High voltage protection threshold: 10.5V±0.5V**
- 6.Temperature Protection: 60°±10°Celsius**
- 7.Fuse: 15A**

- 1.輸入電源：直流電源供應器 11.0~14.5V、鉛酸電池PB 12V
- 2.輸出電源：AC 110V±5% / 60HZ
- 3.待機耗電流：小於0.3A
- 4.低電壓嗚叫警示：10.5V±0.5V
- 5.低、高電壓保護：10.0V±0.5V / 15.0V±0.5V
- 6.溫度保護：60度±10度
- 7.保險絲：15A

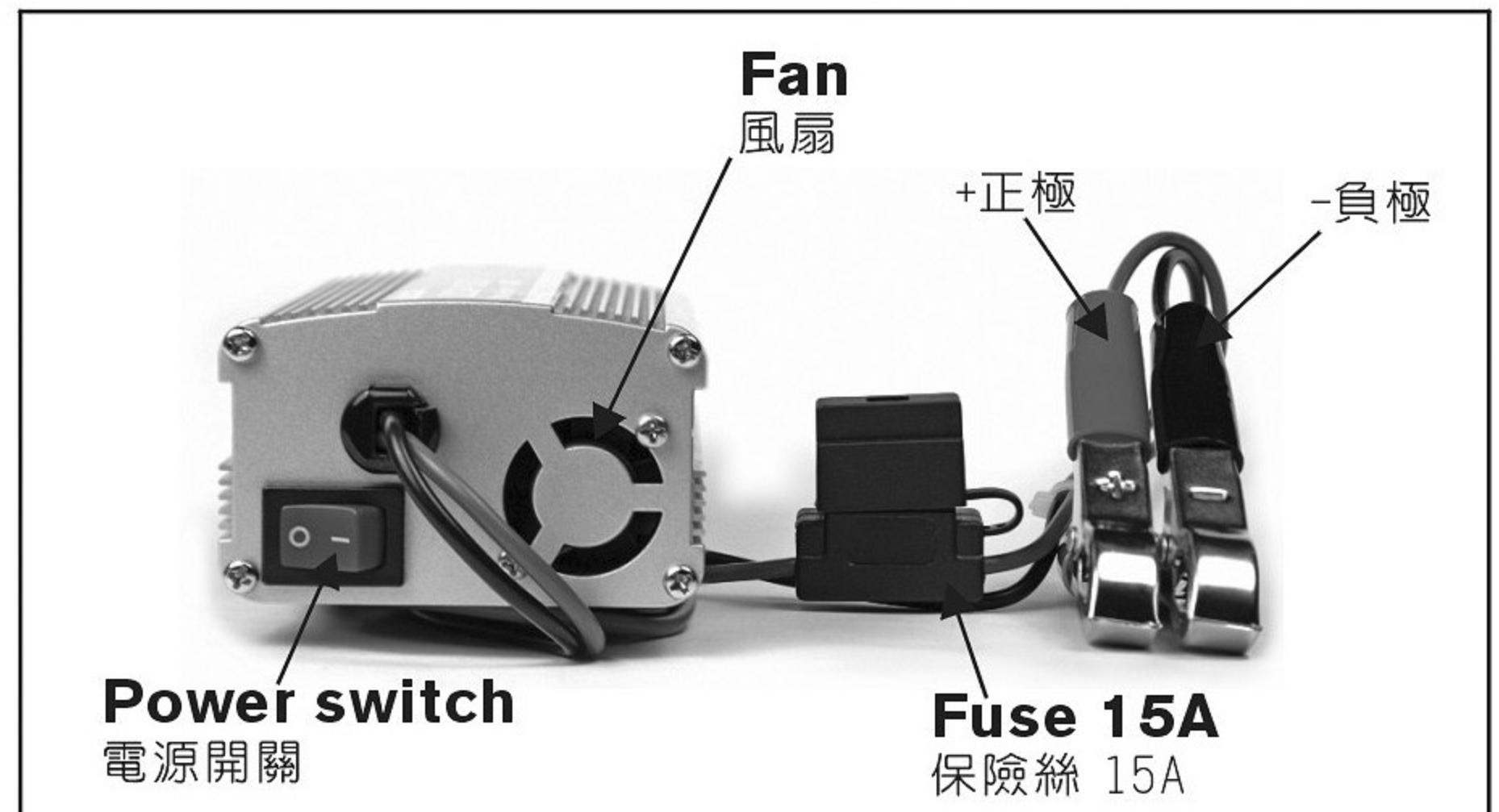
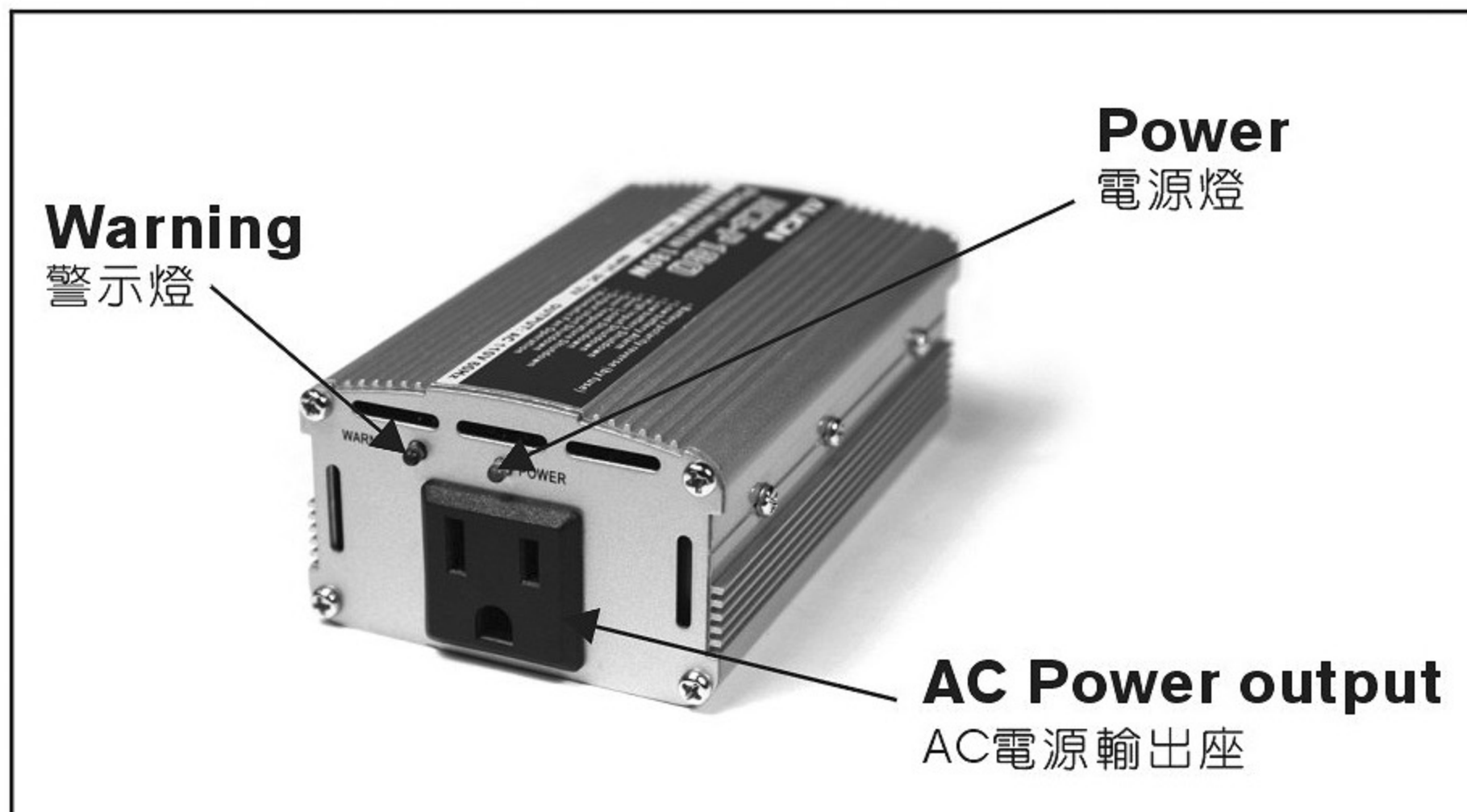
**Safety Warning** 安全注意事項

- 1.Please read this instruction thoroughly before operating the inverter.**
- 2.Do not disassemble the inverter. Doing so will void warranty.**
- 3.Do not block air vents with foreign objects.**
- 4.To avoid unforeseen disaster, do not leave inverter unattended when in use.**
- 5.Do not leave the inverter in car subject to direct sun where temperature may be exceedingly high.**
- 6.Avoid using the inverter, charger, and batteries in close proximity of combustible material.**
- 7.To prevent unforeseen damage, avoid using the inverter in area subject to excessive dust, humidity, moisture, and vibration.**

- 1.在開始操作之前,請務必詳閱本說明書。
- 2.請勿將產品外殼拆開或改裝,否則無保固。
- 3.請勿覆蓋任何物品於轉換器之入風口與出風口。
- 4.請勿在無人看顧時離開使用中的轉換器,避免任何不可預期之意外災害發生。
- 5.轉換器使用時,請勿將充電器置於太陽下與窗戶緊閉之空間或車上。
- 6.請將使用中的轉換器、充電器、充電池遠離易燃物。
- 7.避免置於灰塵、溼氣、雨水和震動處造成不可預期短路損壞危險。



## Parts Diagram 轉換器各部名稱



## Instruction 使用順序說明

1. Adjust the DC power source so the voltage is between 11.0~14.5V. Use a voltmeter to confirm the voltage before connecting the inverter.
2. Connect the inverter's red alligator clamp to the DC power source's positive terminal, and black alligator clamp to the negative terminal.
3. Turn the inverter's power switch to the 1 position. Inverter will respond with green LED, two beeps, and two blinks of the red warning LED. At this time, inverter is ready for use, with output terminal outputting at 110ACV/60Hz.
4. Double check the device's power rating does not exceed the maximum power rating of the inverter.
5. If a Automotive Lead-Acid (Pb) battery is used and voltage drops below alarm threshold, inverter's alarm will be triggered, or power will be shutoff depending on the voltage.
6. If protection circuitry is triggered by overpower or over temperature resulting in inverter shutdown, unplug the device from inverter and power cycle the inverter to reset.
7. When Automotive Lead-Acid (Pb) battery is used, remember to disconnect the inverter after use to avoid battery depletion due to idle current.

1. 將電源供應器輸出電壓調整於11.0~14.5V之間，若使用鉛酸電池12V，先使用直流電表確認電池電壓值。
2. 轉換器的紅、黑夾頭分別夾於電源供應器或鉛酸電池正、負極。
3. 打開轉換器背面的電源開關於1的位置、轉換器POWER亮綠燈、滴滴兩聲、WARNING紅燈閃兩次後於AC插座輸出110ACV/60Hz，此為正常開機順序。
4. 先確認您所運用產品的輸出功率，請勿超過轉換器輸出最大功率。
5. 使用過程中鉛酸電池電壓降低，轉換器將依電壓保功能啟動鳴叫警示或停止輸出電源。
6. 造成轉換器輸出過載保護或啟動溫度保護而停止輸出電源時，請先拔出AC輸出座上的插頭，再一次重開機即可正常輸出電源。
7. 若您以鉛酸電池為轉換器的輸入電源，使用完畢後請立即拔除紅、黑夾頭避免小電流耗電。

## Application Note 充電器應用說明

Multiple chargers can be connected together based on the sum of each charger's power ratings (watts). For example, one inverter can handle one RCC-6CX, or six RCC-4CX, or eight RCC-3CX.

經瓦數換算1台轉換器最多可連接1台RCC-6CX或6台RCC-4CX或8台RCC-3CX。

Charger application method 充電器組合方式	RCC-3CX	RCC-4CX	RCC-6CX
Mode 1	8 Sets		
Mode 2		6 Sets	
Mode 3			1 Set