

RCC-300 INTELLIGENT BATTERY CHARGER INSTRUCTION MANUAL

ALIGN

使用說明書

HEC30001T



300W 25A

Provides 300 Watts - 25 A charge service significantly shorten the charging time. For ease of uses a convenient user-friendly touch screen interface which displays the charging status.



Thank you for purchasing of Align products. Please read the manual carefully before installing and be sure to retain the manual for future reference. Specifications, contents of parts and availability are subject to change, ALIGN RC is not responsible for inadvertent errors in this publications.

承蒙閣下選用亞拓遙控世界系列產品，謹表謝意。使用前，請務必詳閱本說明書，相信一定能夠給您帶來相當大的幫助，也請您妥善保管這本說明書，以做為日後參考。本公司將不對此印刷物之異動負責，也無法主動通知消費者任何更新或異動。本說明書內記載的材質、規格或零件包裝之內容物如有異動，請依亞拓官網公告為主。

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We appreciate your patronage of Align professional aerial photography products. To ensure your success with this product, we would like to present the following information and important reminders.

In order for you to thoroughly enjoy the product, please read through this manual prior to assembly and setting up. Keep this manual handy for future reference.

承蒙閣下選用亞拓遙控世界系列產品，謹表謝意。進入遙控世界之前必須告訴您許多相關的知識與注意事項，以確保您能夠在學習的過程中較得心應手。

為了讓您容易方便使用，在開始操作之前，請您詳細的閱讀完這本說明書之後再進行安裝與設定，同時請您妥善保存這本說明書，作為爾後調整的參考。

WARNING LABEL LEGEND 標誌代表涵義

	<p>Mishandling due to failure to follow these instructions may result in damage or injury. 因為疏忽這些操作說明，而使用錯誤可能造成財產損失或嚴重傷害。</p>
	<p>Mishandling due to failure to follow these instructions may result in danger. 因為疏忽這些操作說明，而使用錯誤可能造成危險。</p>
	<p>Do not attempt under any circumstances. 在任何禁止的環境下，請勿嘗試操作。</p>

SAFETY PRECAUTIONS 使用注意事項

RCC-300 battery charger utilize various high-tech products and technologies to provide superior performance. Improper use of this product can result in failure, overheat, fire and serious injury or even death. Please read this manual carefully before using. Do not use unqualified battery and leave the charger is operating unsupervised. Manufacturer and seller assume no liability for the operation or the use of this product. After the sale of this product we cannot maintain any control over its operation or usage.

As the user of this product, you are solely responsible for operating in a manner that does not endanger yourself and others or result in damage to the property of others.

RCC-300 充電器是結合了許多高科技商品所設計出來的休閒用品，不當的操作或不熟悉都可能導致產品故障、過熱、引發火災，甚至造成人員傷害及財產損失。使用之前請務必詳讀本說明書，禁止使用不合格電池，並嚴禁在無人看管的狀況下進行充電。製造商和經銷商是無法對於使用者不當的操作所發生的意外負任何責任。

做為本產品的使用者，您，是唯一對於您自己操作的環境及行為負全部的責任之人。

WARNING
警告

- Do not use the charger at place near heater or expose of sunshine.
- Keep the vent unimpeded.
- While using, put the charger at a stable place and avoid falling down or colliding.
- 避免靠近熱源或電器產品或在陽光直射環境下使用。
- 散熱口須保持暢通不可堵塞，引免影響散熱效果。
- 使用時請放置於平穩的場所並避免摔落或受到外力撞擊。

CAUTION
注意

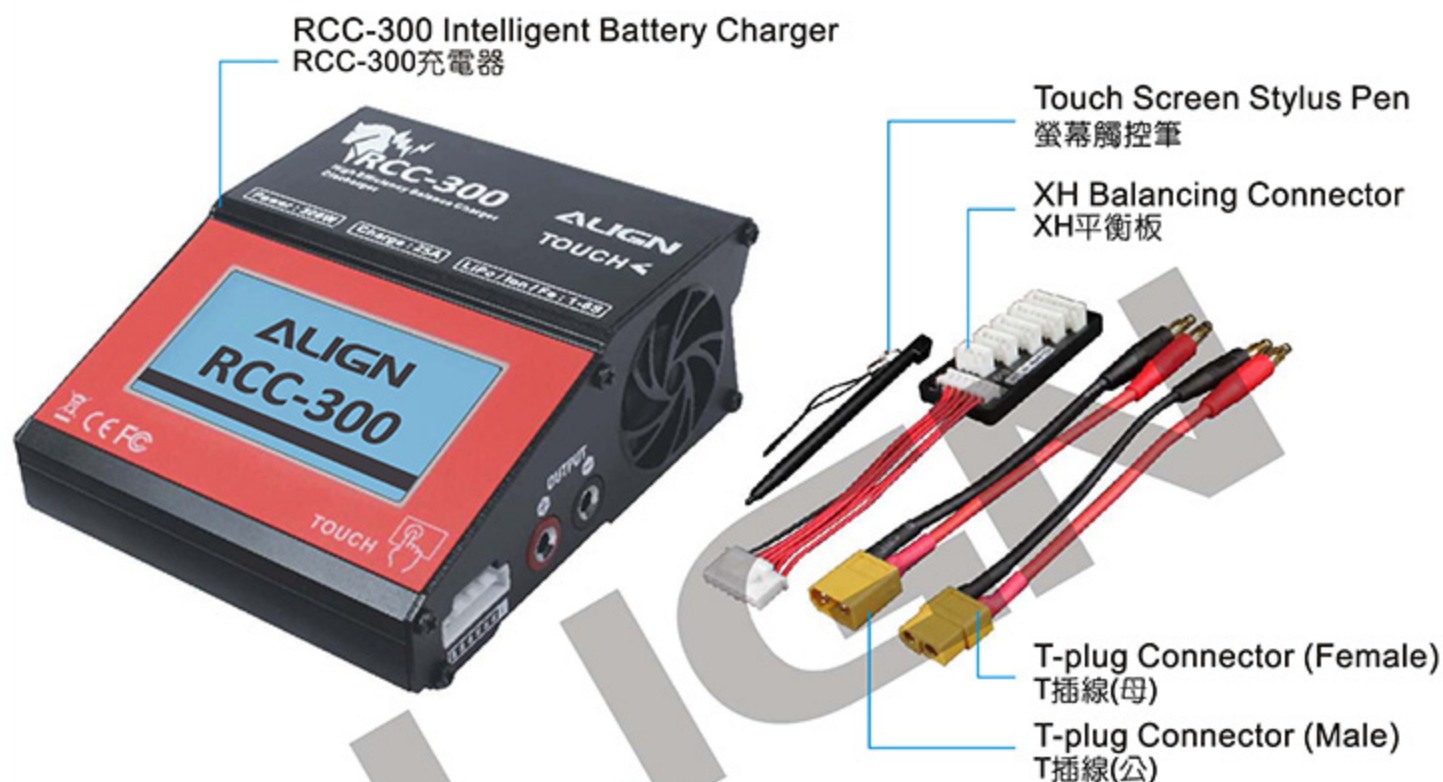
- The battery being used may be a little hot. Please do not charge the battery right away. It might cause the battery broken, even an accident.
- Prevent liquid and anything into the device. If so, please unplug the charger and take out the battery and send it to our distributors or headquarter to repair.
- If there is an unusual temperature increase, swell, or other unusual occurrences, please unplug the battery and DC plug immediately.
- 當電池剛使用過且表面溫度尚未冷卻時，請勿立即衝電，否則將造成電池損壞，甚至引發意外。
- 不要讓異物或任何液體進入機體，如有尖細異物或任何液體進入機體時，請儘快將電源及電池拔除，並送至經銷商或本公司處理。
- 當充電過程中發生電池溫度升高、電池膨脹或其他異常情形時，請立即拔除電池與充電器電源插頭。

FORBIDDEN
禁止

- If there is any unusual deformation of the surface of battery, please do not charge it anymore. If battery becomes hot while charging, stop charging and check if the battery is broken.
- For short-circuits battery, the indicating light of the charger will be off, so please stop charging.
- Do not let this machine drench to the rain / water or uses under the heavy moisture, in order to avoid the interior short-circuits and accidents.
- Charging error could result in battery explosion, fire, and other unexpected danger or property loss. Please always charge batteries with equipment in sight. Do not leave charger unattended. Should you need to leave the charging area, please remove the battery and abort charging process.
- 外觀已膨脹的電池不可做充電使用，損壞的電池於充電過程中會有發熱的情形，應停止對該電池進行充電。
- 內部短路的電池，當接上充電器時指示燈會熄滅予以警示，應停止對該電池進行充電。
- 勿讓本機淋到雨水或在濕氣重的環境下使用，以免內部發生短路等不可預期的故障及意外。
- 充電時務必在視線範圍內進行，不可在無人看管的情形下充電，以避免因充電異常造成電池爆裂、燃燒甚至引發火災等不可預期的危險及損失。必須離開看管範圍時應將電池取出，停止對電池充電。

Provides 300 Watts - 25 A charge/discharge service significantly shorten the charging time. For ease of uses a convenient user-friendly touch screen interface which displays the charging status.

RCC-300智慧型充電器，具備大功率300瓦25安培充電，大幅縮短充電時間。人性化觸控螢幕介面可提供便利操作，充電過程可隨時監控電池充電狀態。



Touch Screen
觸控系統



SD Card Export/Import
程式資料儲存/讀取



PC Interface
電腦連接功能



End Voltage Controlled
截止電壓控制



Storage Charge
鋰電池貯藏



Maximum Safety
最大安全性



Cooling System
散熱系統



32 Bit MCU Processor
32位元微處理器控制



Discharge
放電功能



Delta Peak Sensitive
三角峰值感測



Nixx Battery Cycles
鎳系電池循環利用



Battery Meter
電壓量測功能

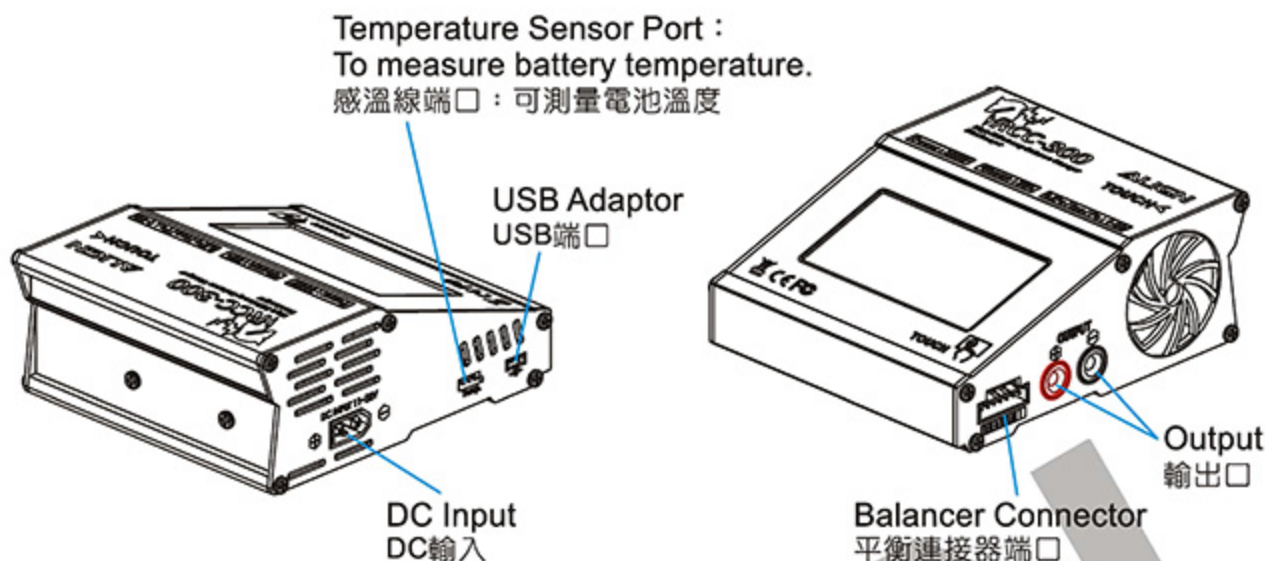


Safety Timer
安全定時器



Temperature Sensor
溫度感測器

PARTS IDENTIFICATION 各部位名稱

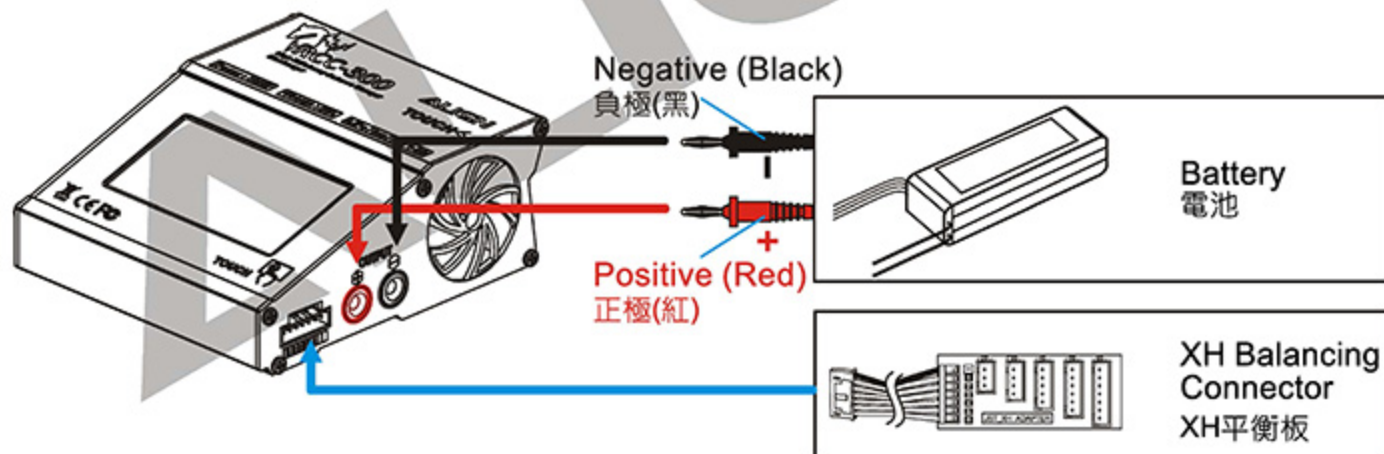


CAUTION
注意

Please provide power supply for yourself, specification : DC output 11~32V

請自備電源供應器，規格：DC輸出11~32V

BATTERY CHARGING INSTRUCTION 充電方式說明



WARNING
警告

Please follow the battery charging instruction for battery terminal cable connection : Black cable to " - " port ; Red cable to " + " port. Make sure to be aware and careful to prevent damage to the charger.

T插線的黑線必須對應輸出口有負極指示標誌的介面；紅線必須對應輸出口有正極指示標誌，請參考圖示充電方式來進行電池充電。請注意正負極孔位避免誤插造成充電器燒毀。

WARNING
警告

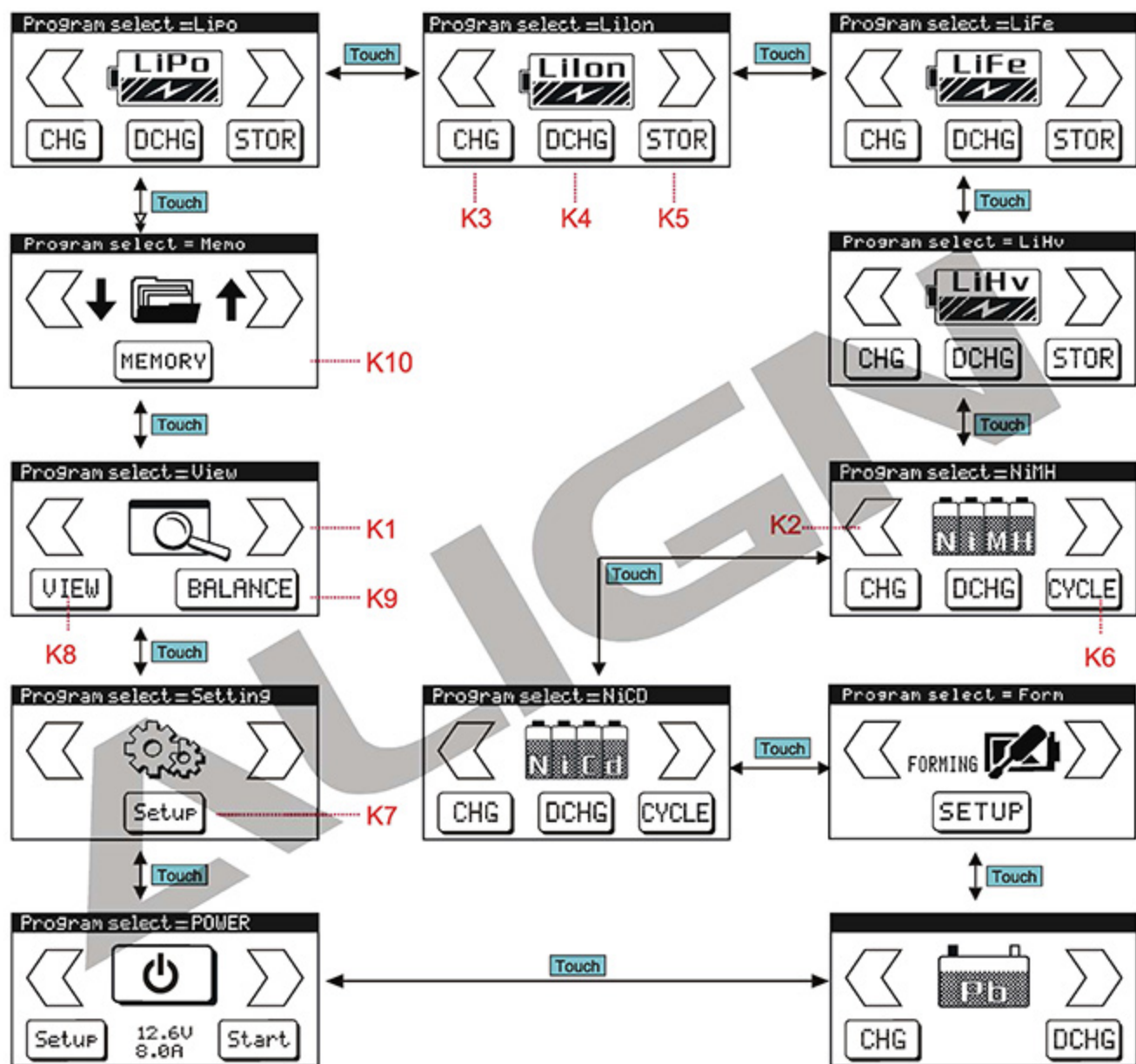
ALWAYS TURN CHARGER ON FIRST. Failure to turn on the charge prior to connecting a battery may result in damage to the charger and/or battery.

電池連接到充電器前，請保持充電器為開機狀態，避免造成充電器及電池的損毀。

HOMEPAGE 主畫面

After powering on the charger, you may select your settings from the menu by slightly tapping on the left/right arrow displayed on the screen.

充電器通電後，可輕按螢幕上左、右箭頭，依序點選至所需的選單。

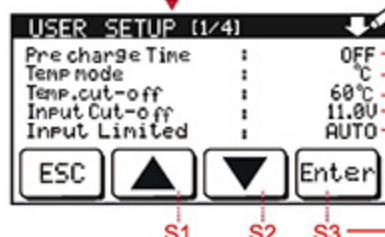


K1 : Select the battery type and program
 K2 : Select the battery type and program
 K3 : Enter the charging setup menu
 K4 : Enter the discharging setup menu
 K5 : Enter the storage setup menu
 K6 : Enter the circulation mode
 K7 : Enter the priority setup mode
 K8 : Enter the data review mode
 K9 : Enter the balancer mode
 K10 : Enter the memory mode

K1:選擇電池型號及程序
 K2:選擇電池型號及程序
 K3:進入充電設置選單
 K4:進入放電設置選單
 K5:進入儲存設置選單
 K6:進入循環模式
 K7:進入優先設置模式
 K8:進入數據瀏覽模式
 K9:進入平衡模式
 K10:進入MEMORY模式

When using the charger for the first time, make sure to enter the "User Setup Menu" and select the correct settings, then start the charge/discharge process. The charger will automatically read the number of cells to ensure battery voltage is within safe voltage limits to prevent abnormal charging and discharging. This charger has a pre-charge function to restore the battery. You can set the restore time (default off) in the menu. Once set the pre-charge program will start. The greater the battery capacity (mAh) the longer the battery will take to charge.

初次使用本充電器時，請務必先進入"用戶設定介面"，正確設定後才可開始充放電。充電器可自動識別電池節數，以預防電池電壓低於最低安全電壓，而導致充電器運作異常。充電器有預充功能可用於恢復電池，設置恢復時間(通常情況下為2分鐘)設置好後方可開始，電池容量越大，需要的時間也越長。



CAUTION
注意

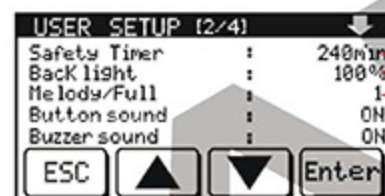
DO NOT use the "Normal Charge Mode" unless you are familiar with the battery and charging process. IMMEDIATELY STOP the charging process if the battery fails to charge or there is a minimal increase in voltage. Failure to stop the charging process may result in excessive heat, fire, or even serious injury and damaged.

在正常的充電模式下，需關閉預充程序，除非很熟悉電池狀態，否則請不要使用此功能。如果電池電壓增長得少，必需立即結束預充程序，以免發生危險。

OFF: 10 min
°C / F
20°C ~80°C (68°F~176°F)
11.0V~15.0V
1.0A~25.0A / AUTO

S1: Dec./Up
S2: Inc./Down
S3: Select/Enter

Press here to check the other setting items



1min~720min
0%~100%(LCD lightness adjustment)
1-5(different melodies)



You can set a user name in the menu and your settings will be displayed on the screen when the charger is on.

Reset to Default Settings: You can reset all settings to default.



在Setup選單裡可設置用戶名稱，開機後可顯示您所設置的內容。
恢復出廠設置功能：將所設置的功能全部恢復成出廠預設值。



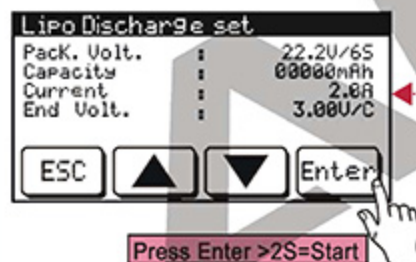
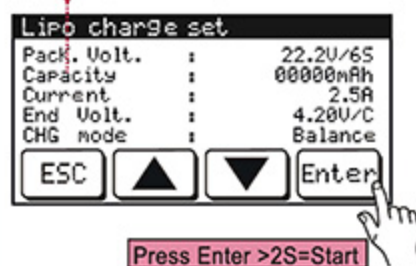
CAUTION
注意

When using the reset to default setting function, all settings will be reset to factory default. Please, confirm before using the reset function.

選擇恢復出廠預設值，所有設置的內容將全部清除。點選前請再次確認您要使用此設定。

RCC-300 battery charger is compatible with: LiPo/LiLo/LiFe. Over charging may cause the battery to explode or catch on fire. Make sure to confirm the battery type and ensure battery voltage levels are within safe limits. Failure to follow this procedure may cause serious and unexpected damaged.

RCC-300 充電器支持三種常見的鋰電池LiPo/LiLo/LiFe，鋰電池過充可能引發爆炸，請務必確定您所使用的電池種類，並且仔細檢查所使用的電池及設定適當的電壓，否則可能引發嚴重災害造成不可預期的損傷。



注意

When setting battery capacity the charger will default to a 1C charge rate.

當設置電池容量時，充電器會自動以1C比率來設定充電電流。

Charge mode :

In charge mode set the battery voltage, battery capacity, charge current, cutoff voltage, and charge mode. Press the "ENTER" button for 2 seconds to start charging.

充電模式：

在此模式裡可設置電池組電壓、電池容量、充電電流、充電截止電壓、充電模，式設置完成後，長按Enter鍵2秒開始充電。

Discharge mode :

In discharge mode set the battery voltage, battery capacity, discharge current, and cutoff discharge voltage. Lithium battery should never be discharge below the storage lever. To prevent over discharging the battery, be sure to connect the battery balance connector to the chargers balance port and set the cutoff voltage to 3.3V - 4.0V based on battery type.

放電模式：

在此模式裡可設置電池組電壓、電池容量、放電電流、放電截止電壓。理論上鋰電池不需要放電，尤其是深度放電，為了保證單不會被過放，用戶必須將電決平衡插頭連接至充電器，可設置放電截止電壓為3.0V-4.0V。

Storage mode :

Select "Storage Mode" to reduce internal losses and perserve battery life by placing the battery in storage mode. The charger will discharge or charge the battery until 40% of the power reamins in each cell. Storage charge should be utilized when the battery will not be used for an extended period of time. The cutoff voltage level is different for each battery type: LiPo: 3.85V, LiLo: 3.75V, LiFe: 3.3V. This is an intelligent program that will automatically charge when the voltage is too low and will discharge when voltage is too high. The battery balance connector must be connected to the charger balance port during the store charge process.

儲存模式：

用戶較長時間不使用電池時，為降低內部損耗可以選擇此模式將電量維持至40%左右以利於儲存，對應的終止電壓因電池類型不同而異，LiPo:3.85、LiLo:3.75V、LiFe:3.3V這是一個智能程序，電壓過低時會自動充電，過高時則自動放電，為了保證每節電池都滿足要求，執行此程序時必須連接平衡接口。

Record the required time of battery charge/discharge
記錄充/放電所需時間

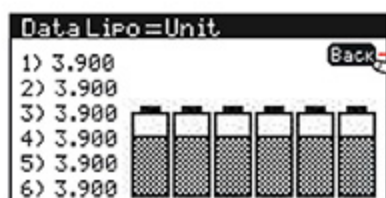


Battery resistant
電池組的內阻

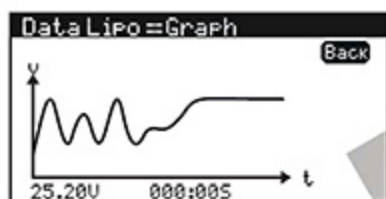
Peak temperature measured by the temperature sensor
由溫度感應器所測到的溫度



Return to the charge menu
返回到充電選單



Allow to view over the charging/discharging voltage curve
這裡可以瀏覽充/放電時的電壓曲線。





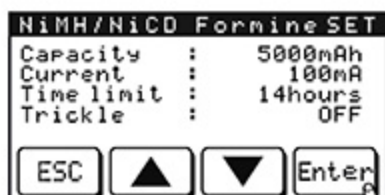
Both LiHv battery & LiPo battery operation process are the same; however, the cutoff voltage value settings differs.

高壓鋰電操作程序和LiPo是一樣的，僅截止電壓不同。

WARNING
警告

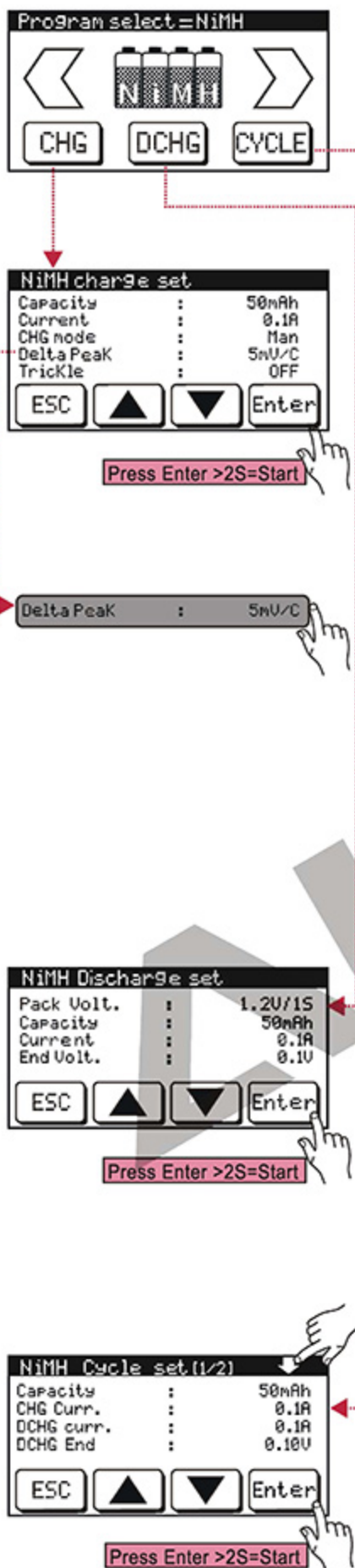
Set the cutoff voltage value according to the battery manufacturer recommendation. Failure to follow the battery manufactures instructions may result in excessive heat, fire, or even serious injury and damaged.

請根據電池製造廠的指示來設置正確的截止電壓，否則可能過熱而引發嚴重災害造成不可預期的損傷。



Battery life repair is special function to re-activate the NiMH/NiCd batteries which have not been used for an extended period of time.

修復充電是用來激活長期未使用的NiMH/NiCd電池。



CAUTION 注意

If the charging voltage is lower than 2.5V, then ΔV can not be detected which may result in a danger during discharge process. However, it can be solved by temperature sensor or set 1C rate for charging current.

如果充電電池的電壓低於2.5V時， ΔV 無法被檢測到，將有可能引起放電危險，可藉由溫度傳感器或將充電電流設置超過1C來避免。

Charge mode

The default setting is "Man". In "Manual" mode the charger will charge the battery at the current set by the user. In "Auto" mode, the charger will auto adjust a reasonable charge current for the battery and does not exceed the charge limit value set by the user. This is important to protect batteries with low resistance and capacity.

充電模式：

充電器預設為手動控制(MAN)優先，在“手動”模式下充電器將會以用戶設置的電流來進行充電。但是在自動模式(AUTO)下，充電器會在電池承受範圍內自動控制充電電流，並限制最大電流不超過用戶設定值，這對保護一些低電阻和小電容的電池非常必要。

ΔV means the auto charging end voltage value for NiMH/NiCd battery. The effective value range is 5 to 20 mV/cell. Setting the ΔV to high is dangerous when charging a HV battery. Setting the ΔV to low can cause a possibility of charging termination.

Recommendation for battery parameter setting : NiCd: 12mV ; NiMH: 7mV

ΔV 是指鎳氫/鎳鎘電池自動充電截止時的觸發電壓，每節的有效值範圍是5至20mV。如果 ΔV 設置過高，電池會有過充危險；如果設置過低，會有提前終止充電的可能。

請參考電池的參數設置：鎳鎘12mV / 鎳氫7mV。

Discharge mode

The discharge current value range is 0.1A to 5.0A and the end voltage range is 0.1A to 18.0V. The charging process is similar to the Lithium battery method. The end voltage of a NiMH battery is 1.0V/cell, while the NiCd is 0.85V/cell. Please follow the battery manufacturer's recommend values for charging.

放電模式：

充電器提供放電電流為0.1A-5.0A、截止電壓為0.1V-18.0V。操作方式與鋰電類似，鎳氫電池放電截止電壓為1.0V/節。鎳鎘放電截止電壓為0.85V/節，具體以電池生產商提供的資料為準。

Circulation mode

The charger can perform : DCHG -> CHG or CHG -> DCHG cycling up to five continual cycles. It allows to re-activate the new battery or Nixx battery which is not used for time being. Ensure this function is setup correctly to prevent damage to the battery. You can refer to previous charge/discharge parameter settings from the other menu.

循環模式：

充電器支援1-5次循環DCHG>CHG或CHG>DCHG。使用於新電池或是長期放置的Nixx電池啟動，使用此項功能時，請用戶必須小心設置，以免損壞電池，充/放電的參數可分別引用前面充放電菜單。

NiMH Cycle set (2/2)

Mode : CHG > DCHG
 Count : 2 Times
 Delay Timer : 1min

ESC ▲ ▼ Enter

Press Enter > 2S = Start

When NiMH or NiCd battery is in a charge/discharge cycle this may cause overheating. Set the "Delay Timer" to allow sufficient time for the battery to cool during the charge/discharge cycle. The value range is 1 to 60 minutes. if you are unsure, set the value to more than 10 minutes.

當鎳氫鎳鎘電池在循環充/放電時，可能會引起過熱，在這個程序裡可以設置Delay timer允許電池在循環過程中有足夠的時間冷卻。值的範圍是1-60分鐘，如果不確定則可設置在10分鐘以上。

NiMH charge start

-Connect-
 Input OK
 BATT. OK

-Check-
 Set : ---
 Read: ---

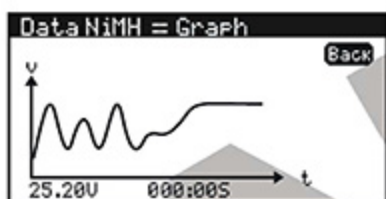
ESC Start

Press Start once

NiMH CHG 000:00s

Capacity : 00000mAh
 Current : 10.0A
 Voltage : 25.00V
 Resistance : No
 Peak Temp. : No sens

STOP Graph



NiMH CHG 000.00s

Input Volt : 14.91V
 Delta Peak : 12mV/c
 Int Temp : 34°C
 Safety Timer : 240min
 CAPA Cut-off : 2500mAh

STOP Graph

"Back": Go back to the charge menu
 返回到充電選單

Here you can view the curve voltage for charging or discharging.

這裡可以瀏覽充電或放電時的電壓曲線。

NiMH Cycle 000:00s

Capacity : 00000mAh
 Current : 10.0A
 Voltage : 25.00V
 Resistance : No
 Peak Temp. : No sens

STOP Cycle Graph

CHG 000.00s

Input Volt : 14.91V
 Delta Peak : 12mV/c
 Int Temp : 34°C
 Safety Timer : 240min
 CAPA Cut-off : 2500mAh

STOP Graph

Voltage of the battery pack when charging process finished.

充電完成後的電池電壓。

Charged capacity value.

充電的容量值。

Data NiMH = Cycle 1/2

--CHG-- --DISCHG--
 00.00Up 00.00Va
 00000mAh 00000mAh

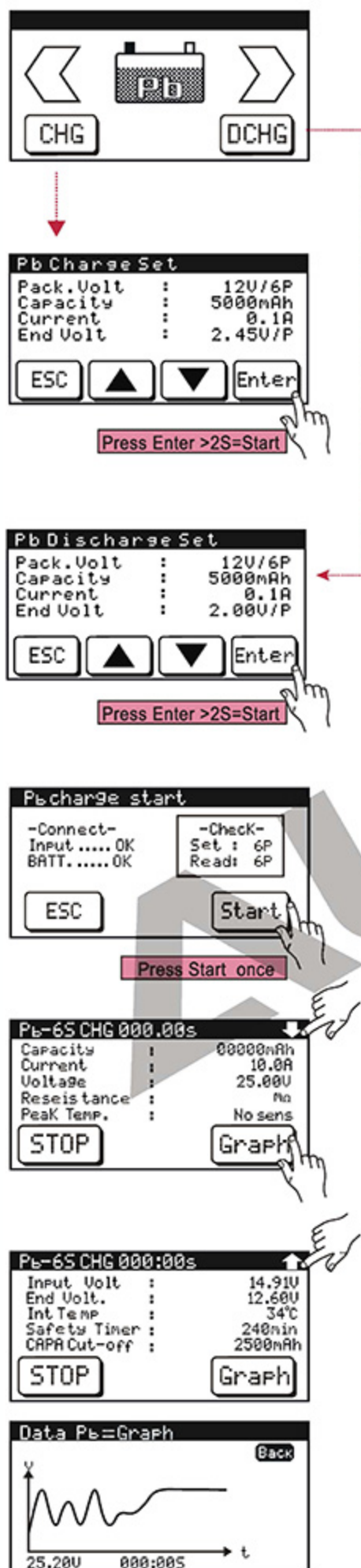
Back Up Down

Voltage of the battery pack when discharging process finished.

放電完成後的電池電壓。

Discharged capacity value.

放電的容量值。



RCC-300 charger supports 2V - 20V when charging a Pb battery. A Pb battery can only withstand a low capacity charge rate of 1C, DO NOT charge rapidly. Please follow the battery manufacturer's recommend values for charging.

RCC-300充電器可支援電壓2-20V的Pb電池充電，Pb電池不能快充，僅能承受較低容量的充電電流，最佳電為0.1C，具體數據請參照電池廠商的使用說明。

Charge Pb battery

Set the charge current on the Pb battery setting menu. The charge current range is 0.1A - 10.0A. Set the battery voltage capacity, which should match the battery capacity size. Press the "ENTER" button for 2 seconds to start charging the battery.

Pb電池充電：

在鉛電池充電選單中可設置充電電流(範圍:0.1-10.0A)，電池電壓和容量、電壓值必須與被充電的電池相匹配，長按Enter鍵2秒開始充電。

Discharge Pb battery

Set the discharge current on the Pb battery setting menu. The charge current range is 0.1A - 10.0A. Set the battery voltage capacity, which should match the battery capacity size. Press the "ENTER" button for 2 seconds to start charging the battery.

Pb電池放電：

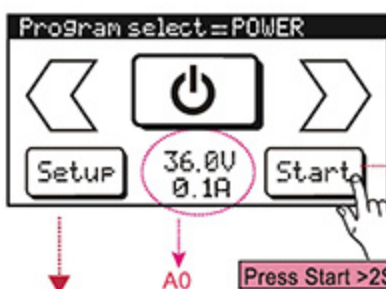
在鉛電池放電選單中可設置充電電流(範圍:0.1-5.0A)，電池電壓和容量、電壓值必須與被放電的電池相匹配，長按Enter鍵2秒開始放電。

"Read" identifies the number of cells automatically detected by the charger. "Set" identifies the number of cells previously selected and set by user. If the cell count matches, tap the "Start" button. If the cell count DOES NOT MATCH, tap the "ESC" button and return to the previous menu. Carefully confirm the number of cells and set again.

"Read"為充電器檢測到的數量，"Set"為用戶之前設定的電池數量。如顯示內容為一致的，則可按Start鍵開始；如為不同則須按Esc鍵返回上一級選單，並重新檢查電池數量與設定。

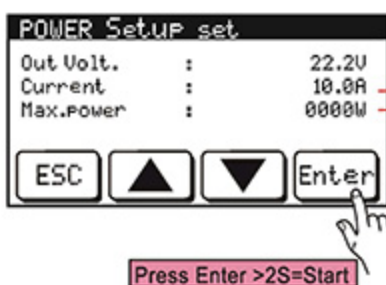
In this mode the RCC-300 charger can provide power for other electronic devices 3.0V - 24V.

在此模式下，RCC-300 充電器可為其他電子設備提供直電壓：3.0V-24V。



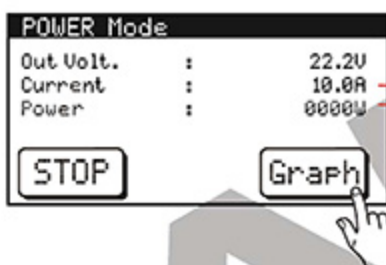
A0 : In the digital power menu, the charger will show the parameters previously set by the user. If a change is not required, then press the "START" button for two seconds to start process.

A0: 在這個選單裡，充電器將會顯示用戶最后一次設置的參數，如果不需要修改，可長按 Start 鍵 2 秒開始。



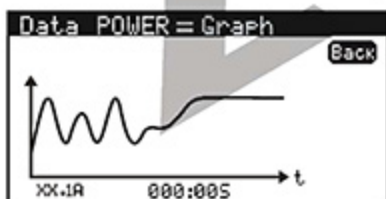
Set Max. output current
設置最大輸出電流。

Set Max. output power
設置最大輸出功率。



The real-time output current
實際輸出電流。

The real-time output power
實際輸出功率。



To stop operation, press the "Back" button to return to the previous menu, then press the "Stop" button.

要停止這個功能，先按 back 鍵返回上一個介面，然後按 Stop 鍵停止。

Press "View" to display the battery voltage, voltage per cell, resistant, and the outside temperature overview.

Press "Balance" to balance the battery cells. Make sure to select the correct battery type before performing this function, or it may cause serious injury and unexpected damage. Failure to select the correct battery type may result in excessive heat, fire, or even serious injury and damaged.

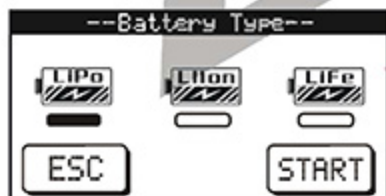
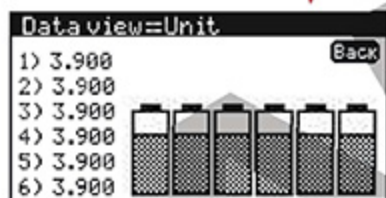
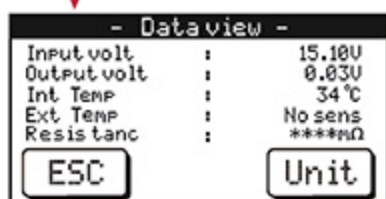
在此選單中按"View"可查看電池總電壓、單節電壓和內阻，也可查看充電器內外部溫度。

按"Balance"鍵可以平衡電池組。平衡時請正確選擇您所使用的電池型號，否則可能引發嚴重災害造成不可預期的損傷。



Press "View" to display the resistance of each cell. Confirm the battery is properly connected to the batter charger.

當按View鍵時，充電器將會進入內阻測量，過程僅有一次，請確保充電器輸出端已正確的連接電池。



Use the balance function when a battery pack is unbalanced.

Press "Balance" to select battery type, then press the "Start" button to begin balancing.

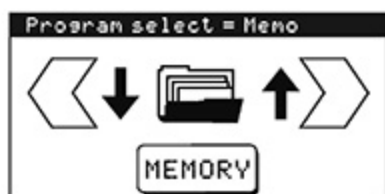
對於電壓不平衡的電池可以使用Balance功能。

按Balance鍵選擇電池型號，然後按Start鍵開始平衡。



Failure to select the correct battery type and set correct values may result in excessive heat, fire, or even serious injury and damaged.

務必仔細檢查電池型號及設置，否則可能引發嚴重災害造成不可預期的損傷。



















RCC-300 Battery Charger can save custom charging memory profiles. Instructions below:

RCC-300 充電器，可將電池設置及充電參數做儲存、開啓或是刪除。操作方式及說明如下：

1. Use the Left / Right arrow to select and save battery type.
program select=Lipo/Li-ion/LiFe/LiHV/NiMH/NiCd/Pb
2. Press "Action" to enter the menu.
3. Press and hold the parameter value to select.
4. Use the Up / Down arrow to edit the parameter.
5. Press "Enter" to save the parameter.
6. Press the "Right" arrow to display the next setup pages.
7. Press "ESC" to return to the homepage after setting all parameters.
8. Press the "Left and Right" arrow to save a profile to memory. Select "Memory"
9. Press "Memory"
10. Select an empty profile.
11. Press "SAVE" to save all the adjusted parameters in the profile.
12. Press "Load" to use a profile stored in memory.
13. Press "Del" to delete a profile from memory.
14. Use the "Arrow" in the upper right corner to save up to 20 memory profiles.

1. 按左右箭頭來選擇想要保存的電池數值。
program select=Lipo/Li-ion/LiFe/LiHV/NiMH/NiCd/Pb
2. 按Action進入選單。
3. 按住參數顯示數值。
4. 按上下箭頭編輯參數。
5. 按Enter鍵保存參數。
6. 如果參數有多個頁面，按右上角的箭頭來進入下一個頁面。
7. 參數設置好以後，可以按ESC退回到主選單。
8. 在主選單上按左右箭頭可至儲存頁面Program Select=Memory。
9. 按Memory鍵
- 10 選擇空白的文件。
11. 按SAVE鍵，剛操作的充電參數會被保存至這個檔案夾裡。
12. 要使用已儲存的檔案時，選擇它然後按LOAD鍵。
13. 要刪除已儲存的檔案時，選擇它然後按DEL鍵。
14. 按右上角的箭頭可以儲存20組檔案。

 [ERROR] REVERSE POLARITY ESC	→ The output charge adaptor is connected to the battery with the incorrect polarity. 輸入端口正負極接反。
 [ERROR] PROCESS INTERRUPTED ESC	→ Battery not connected or connection interruption. 輸入連接錯誤。
 [ERROR] OUTPUT SHORT CIRCUIT ESC	→ Output short circuits. 輸入短路。
 [ERROR] INPUT VOLTAGE ERROR ESC	→ Input Voltage Error, below or over the limit 11V - 18V. 輸入電壓低於錯誤，不在11V-18V範圍內。
 [ERROR] CHARGER FAILURE ESC	→ Charge error. 充電錯誤。
 [ERROR] BATTERY LOW VOLTAGE ESC	→ Total voltage too low. 總電壓過底。
 [ERROR] BATTERY HIGH VOLTAGE ESC	→ Total voltage too high. 總電壓過高。
 [ERROR] CELL LOW VOLTAGE ESC	→ Single cell voltage too low. 單節電壓過低。

- | | |
|--|--|
| 
[ERROR]
CELL HIGH VOLTAGE
ESC | → Single cell voltate too high.
單節電壓過高。 |
| 
[ERROR]
CELL CONNECT ERROR
ESC | → Balance port connection error.
平衡端口連接錯誤。 |
| 
[ERROR]
CHARGER OVERHEATING
ESC | → Charging temperature too high.
充電溫度過高。 |
| 
[ERROR]
--- OVER POWER ---
ESC | → Battery power exceed the limit range set in the "Digital Power Mode".
功率超過了數字電源模式中所設置的功率。 |
| 
[ERROR]
-- MAX CURRENT --
ESC | → Current exceeds the limit range set in the "Digital Power Mode".
電流超過了數字電源模式中所設置的電流。 |
| 
-- SAFETY TIMER --
ESC | → Exceeds the maximum safe time limit.
超過了最大安全時間限制。 |
| 
-- MAX CAPACITY --
ESC | → Exceeds the maximum capacity limit.
超過了最大容量限制。 |
| 
-- MAX EXT.TEMP --
ESC | → External temperature too high.
外部溫度過高。 |

ALIGN



RCC-300

SPECIFICATION 產品規格

DC input voltage 輸入電壓	11-32V	LiPo/Li-Ion/ Life battery cell count 鋰系電池輸出電壓	1-6S
Charge power 充電功率	300W	NiMH/NiCd battery cell count 鎳系電池輸出電壓	1-16 cells
Discharge power 放電功率	30W	Pb battery voltage 鉛酸電池電壓	2-20V
Charge current 充電電流	0.1-25A	Dimension 尺寸	102x120x46mm
Regenerative discharge power 活化放電功率	Max.300W	Weight 重量	450g