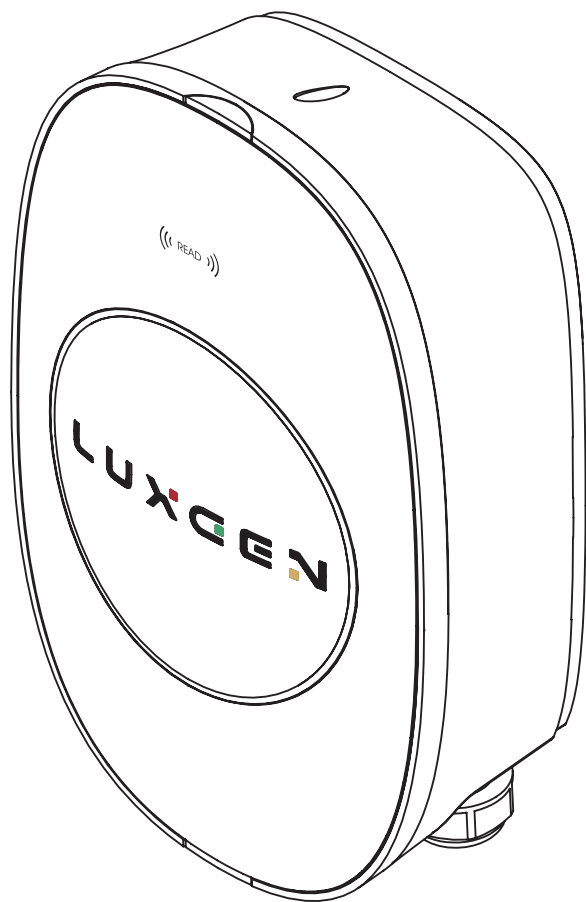




電動車專用AC充電設備
壁掛式交流充電器
快速操作指引手冊

LUXCEN

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關於本《操作手冊》

01

錯誤或疏漏

如對本《操作手冊》欲傳達任何建議或疏漏之處，歡迎您將意見或建議，傳送電子郵件至：

service@f-evalue.com

版權與商標

本《操作手冊》中所有資訊，均受華城電能著作權及其他知識產權法保護。

若事先未獲得華城電能書面許可，則不得對資料中的全部或部分內容進行修改、重現或複製。

產品規格如有變更，恕不另行通知。

安全資訊

02

重要安全說明

本《操作手冊》包含安裝及維護壁掛式交流充電器時必須遵循的重要指示與警告。

警告

- 使用本產品前，請先閱讀所有指示。
- 使用本產品時如附近有兒童的情況下，需監督控管兒童並留意安全。
- 充電器必須藉由永久性配線系統或保護接地導體來做接地。
- 請勿在具易燃性、易爆性、刺激性或可燃性物質、化學物品或氣體附近安裝或使用充電器。
- 安裝或清潔充電器之前，請先關閉斷路器上的輸入電源。
- 請嚴格遵循所指定的工作參數使用充電器。
- 請勿將水或任何其他液體直接噴灑安裝在牆上的開關箱。請勿將任何液體噴灑充電槍或將充電槍浸入液體中。請將充電槍放在基座上，以防止接觸不必要的汙染物或濕氣。
- 如果充電器存在缺陷、出現裂痕、磨損、破裂或損壞以致無法使用或操作，請停止使用。
- 請勿試圖拆卸、維修、不當調整或改裝充電器。使用者切勿自行維修充電器。如果需要任何維修或修改，請聯絡華城電能科技股份有限公司。
- 運送充電器時，請務必小心。請勿讓充電器承受強大作用力或衝擊力，或拉動、扭曲、纏結、拖曳或踩踏充電器，以防止機體或任何元件受損。
- 請勿用手指或尖銳金屬物件（例如電線、工具、或針 ... 等）接觸充電槍頭的末端。
- 請勿用力折疊充電器的任何零件或對其施加壓力，或者使用尖銳的物件破壞。
- 請勿將異物插入充電器的任何部位。
- 使用充電器可能會影響或損壞醫療或植入式電子設備的運作，例如植入式心臟起搏器或植入式心臟除顫器。使用充電器之前，請就充電對此類電子設備的影響向電子設備製造商進行諮詢。
- 即使滿足住宅環境的要求，車載無線電接收亦可能受非車載電動車輛充電系統產生之雜訊擾動。為保護車載無線電接受，某些車輛製造商可能對其車輛採用 CISPR 25 的限制值，此等限制值並不適用於非車載電動車輛充電系統 (EUT)。

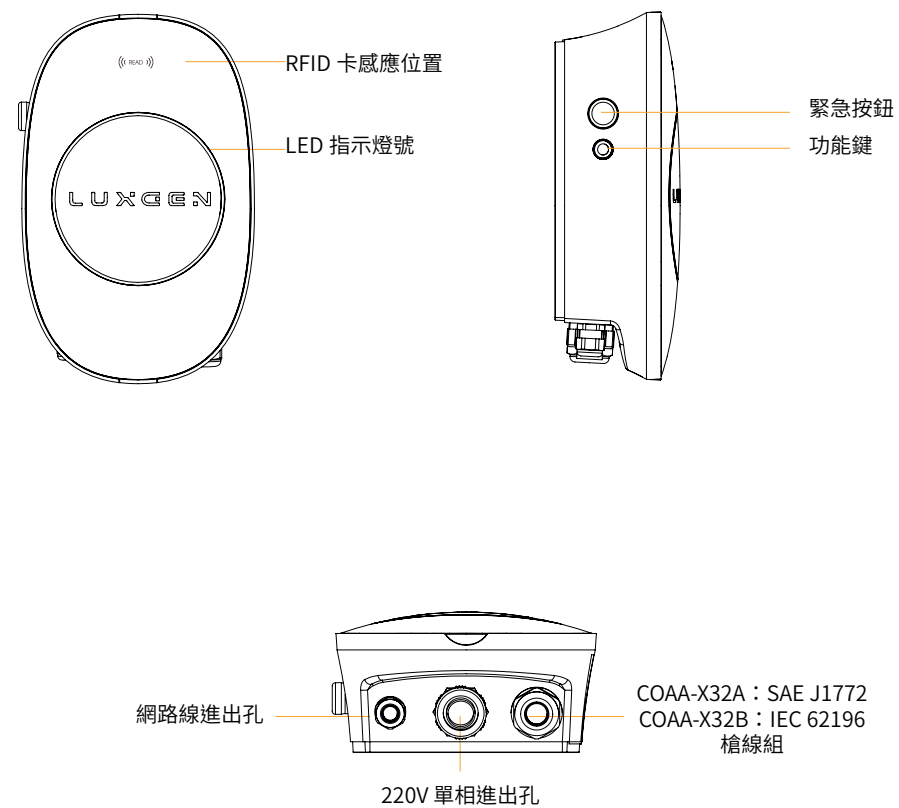
注意事項

- 請勿以發電機作為充電電源。
- 錯誤安裝及測試充電器將對車輛電池及 / 或充電器本身帶來潛在損壞。由此導致的任何損壞均不屬於保固範圍。
- 請勿在充電器工作範圍 -13° F 至 122° F (-25° C 至 50° C) 以外的溫度下操作充電器。
- 若有用到網路線，長度不得超過三十公尺。
- 本充電設備需搭配合格認證之無熔絲開關過載保護器和漏電保護斷路器同時使用方可符合國家 BSMI 之 VPC (Voluntary Product Certification; 自願性產品驗證) 認證規定，安裝上若有問題請與華城聯繫諮詢或購買合格料件，若非使用合格認證之無熔絲開關過載保護器和漏電保護斷路器，造成本充電設備異常或出現其他問題由使用者自行負責。
- 禁止使用轉接器或轉換轉接器。
- 禁止使用延長線組。

規格

03

1. 產品外觀



2. 產品規格

說明	規格
電壓規格	- 使用電壓：220V 單相交流電：L、中性線與地線 - 電壓範圍：N 端與 L 端之間 220V 交流電
頻率範圍	60 Hz
輸出電流	(最高)32A
輸出功率	(最高)7.04KW
充電槍規格	COAA-X32A-A8：SAE J1772 COAA-X32B-A8：IEC 62196
電纜線長	5 米
充電器外觀尺寸	長度：380 毫米 / 寬度：240 毫米 / 高度：130 毫米
重量（包含充電槍線）	5.3 公斤
通訊	介面：LAN、協議：OCPP 1.6
按鈕	緊急停止開關、功能鍵
指示燈號	待機：綠燈 / 充電中：藍燈 / 充電飽：閃綠燈 / 錯誤：紅燈
使用者身份辨識	RFID 讀卡機（註：可選擇啟用或關閉身分辨識功能）
保護功能	過電壓保護、低電壓保護、過電流保護、短路保護、漏電保護、過載保護、過溫保護、繼電器接點故障偵測防護、漏電流自我偵測防護
使用環境	室內 / 室外
操作溫度	-25° C 至 50° C
濕度	<95% 相對溼度
IP 防塵防水等級	IP55
電擊防護分類	I 類
認證規範	CNS15511(此 EV 充電設備為充電模式 3)

3. 功能

(1) 延遲充電啟動（與車端的充電接口需保持正確連接）

若想延遲充電啟動時間，可以長按功能鍵 1 秒以上，聽到嗶嗶兩聲即可以放開，此時，每按一下功能鍵，燈號都會變化，會在綠、白、藍、黃、紫顏色變化，代表延遲 0、1、2、4、8 小時，選定後，停留 2 秒鐘，聽到嗶一聲，即設定完成。

例：現在時間為 10:00，希望在 2 小時後開始充電，可以將延遲充電時間設定在藍燈，插槍之後，即開始倒數 2 小時，倒數完畢之後，充電器即會自動啟動充電功能。

(2) 加卡和刪卡

• 加卡（一次只能加入一張卡號）：

- 按下緊急按鈕，LED 燈轉為紅燈。
- 長按功能鍵 5 秒以上，聽到嗶嗶兩聲即可以放開，此時藍 / 綠燈交錯閃爍，進入加卡模式
- 將卡片靠近 RFID 讀卡位置，嗶長音後，會回到紅燈狀態，代表已加入卡號。
- 復歸緊急按鈕，LED 燈轉為綠燈，充電樁待機中。

• 刪卡：

- 按下緊急按鈕，LED 燈轉為紅燈。
- 長按功能鍵 5 秒以上，聽到嗶嗶兩聲即可以放開，此時藍 / 綠燈交錯閃爍，進入加卡模式
- 再按功能鍵一下，聽到嗶嗶兩聲即可以放開，至藍 / 紅燈交錯閃爍時，進入刪卡模式
- 進入刪卡模式後，長按功能鍵 5 秒以上，直到嗶長音，再放開按鈕，會回到紅燈狀態，代表已刪除全部卡號。
- 復歸緊急按鈕，LED 燈轉為綠燈，充電樁待機中。

(3) 恢復原廠設定

- 按下緊急按鈕，LED 燈轉為紅燈。
- 長按功能鍵 5 秒以上，聽到嗶嗶兩聲即可以放開，此時藍 / 綠燈交錯閃爍，進入加卡模式
- 再按功能鍵兩下，每回都會聽到嗶嗶兩聲即可以放開，至紅 / 綠燈交錯閃爍，進入恢復原廠設定模式
- 進入恢復原廠設定模式後，長按功能鍵 5 秒以上，直到嗶長音，再放開按鈕，會回到紅燈狀態，代表已恢復原廠設定。
- 復歸緊急按鈕，此時充電樁準備重新啟動，LED 燈將由紅燈轉為白燈，請等待開機（大約 3 分鐘）
- LED 燈轉為綠燈，充電樁待機中。

準備安裝

04

1. 最低要求

- 量測電力供應負載，確認可滿足充電器最大之電流。
- 開關箱內備用或新增之無熔絲開關額定電流需大於充電器最大電流 1.25 倍。
- 確認現場電壓及配線之距離，計算電壓之壓降是否符合當地法令或充電器之最小需求。
- 請於充電器前方預留斷路器及配管配線至車位後方 1.2M 高位置，出線預留 0.5M 線長，以利結線。

2. 供電電線

電纜線需使用當地國家認證合格之絕緣披覆銅導線，且導線之耐電流須大於無熔絲開關之額定電流 1.25 倍以上。(依台電電工法規標準)

3. 供電方式

本充電器使用電力為單相三線 220V（注意：電力配接建議由合格電力技術員或技師進行配接，避免發生人員觸電或短路意外）。

4. 確定您的無熔絲開關額定容量

- 確定您的總開關規格，請檢查配電盤或開關箱，以確定安裝場地的電力來源可用電流量。

5. 壁掛式交流充電器選擇最佳位置

安裝位置應確保充電電纜可連到車端的充電接口，充電器應該位於以下位置：

- (1) 在封閉式車庫內，一般位於車輛充電口旁。
- (2) 此充電設備為定置式設備，以表面安裝方式固定於牆面或是柱子上。
- (3) 通風良好的地方，避免安裝在封閉式箱體內或傳熱裝置附近。
- (4) 室內充電器安裝需在離地 100 公分以上，不超過 120 公分的位置。
- (5) 室外充電器安裝需在離地 100 公分以上，不超過 120 公分的位置。
- (6) 充電器本體需離週遭障礙物 20 公分以上，以便電纜線存放時纏繞於充電器本體。

6. 漏電斷路器規格

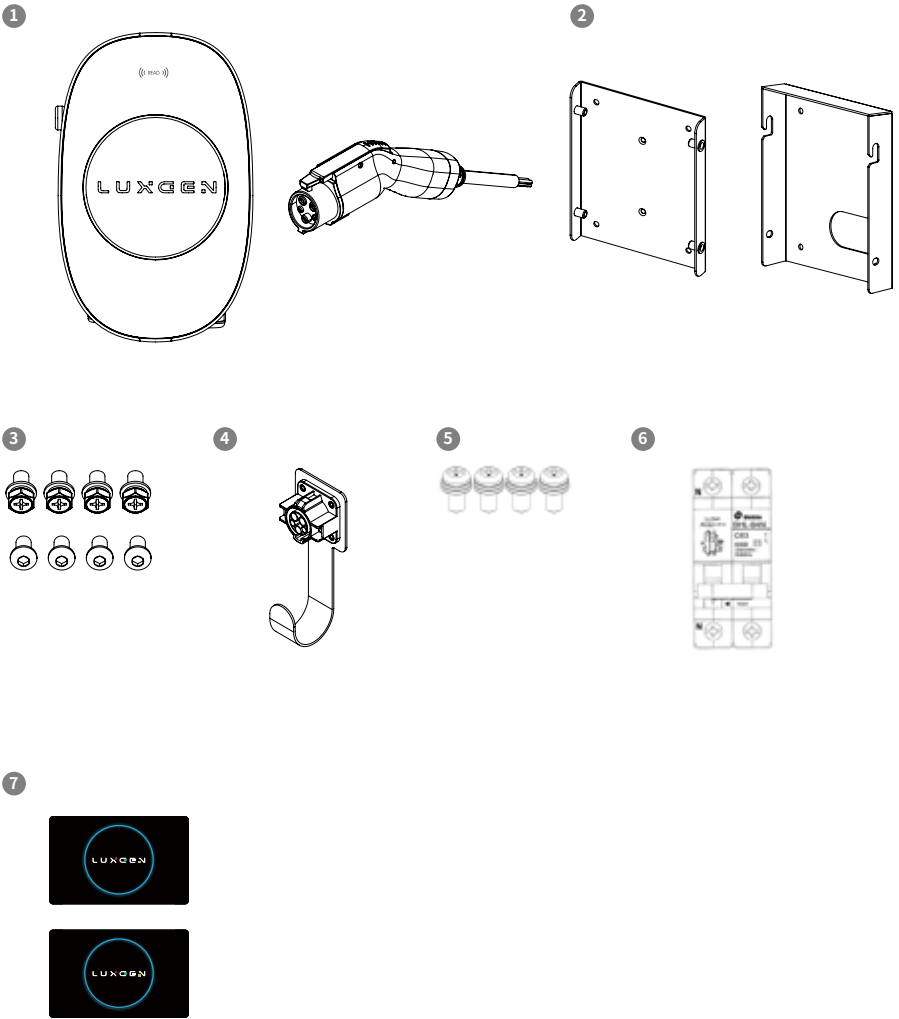
廠牌	型號	額定電流	額定靈敏度電流
士林電機	BHR-B4	63A	30mA
士林電機	BHR-B4	100A	30mA
士林電機	BHL-B4N	40A	30mA
VeKON	VDC-100EV	63A	30mA
VeKON	VDC-100EV	100A	30mA

7. 有關安裝的注意事項

- 安裝前請確認供電端開關已關閉斷電，並作好預防性防護，避免充電器安裝過程發生人員觸電危害。
- 配管線過程需依當地電力相關法規進行安裝。

8. 檢查內容物

項目	說明	數量
1	充電器本體和槍線	1
2	壁掛架	1
3	掛件用螺絲	8
4	充電槍電纜線掛鉤	1
5	電纜鉤內六角	4
6	漏電斷路器	1
7	RFID 感應卡	2
8	完整操作指引手冊	1
9	產品保固卡	1



充電器安裝步驟

05

1. 工具及材料

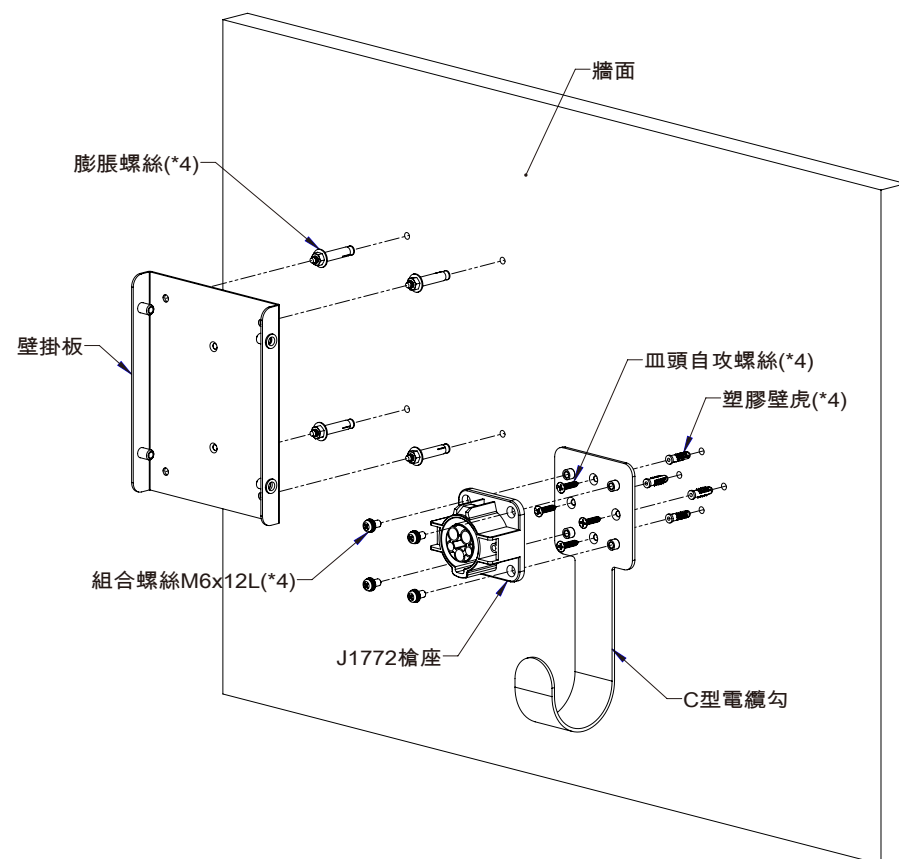
- 鉛筆或簽字筆
- 電工鉗
- 剝線鉗
- 2mm²~14mm² 壓接鉗
- 捲尺
- 三用電表或數位萬用電表
- 十字螺絲起子
- 小型平頭螺絲起子
- 水平儀
- 電鑽及鑽頭
- 塑膠壁虎
- 圓型端子 R8-6
- 扭力起子
- 六角扳手

2. 壁掛式充電器安裝步驟

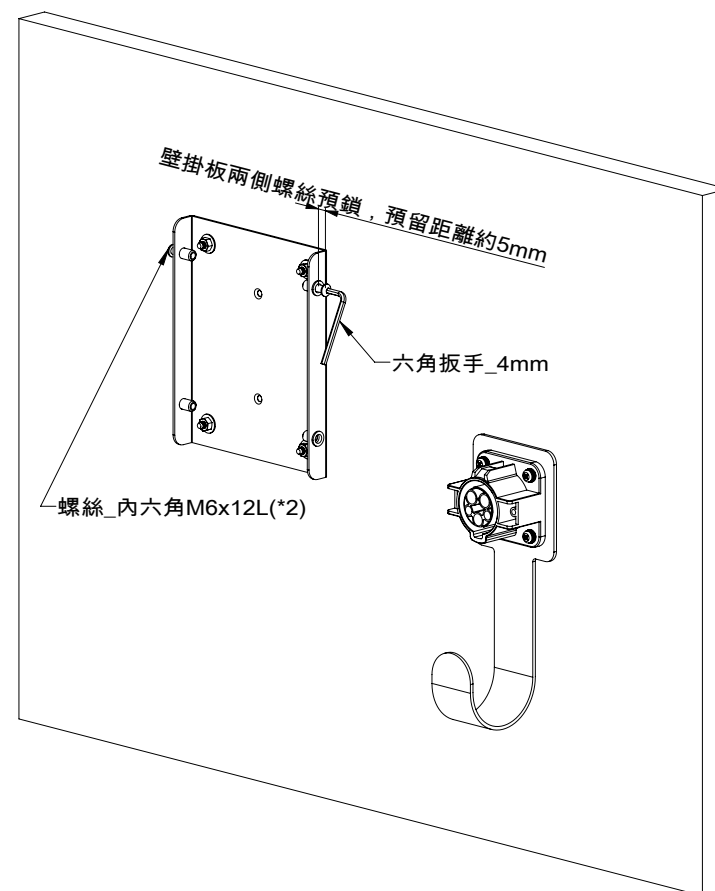
(1) 使用支架作為指引，在安裝牆面上標記鑽孔位置

- 使用電鑽鑽孔，並將膨脹螺絲埋入孔中。
- 使用螺絲將壁掛架（注意壁掛架方向）及充電槍電纜線掛鉤鎖固於牆面。

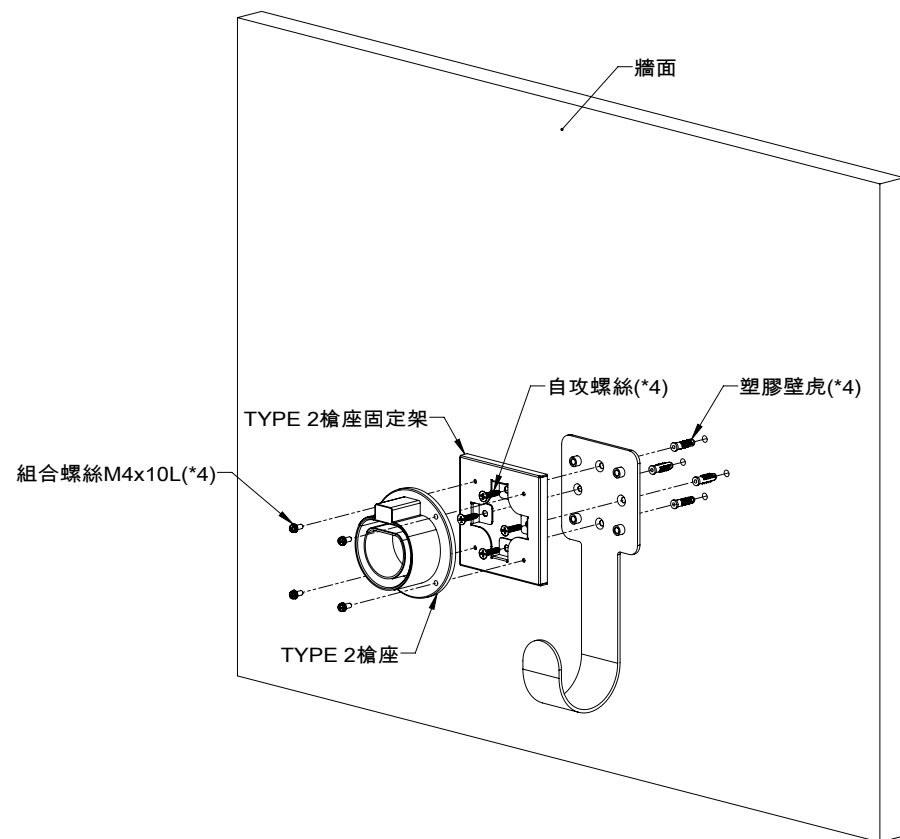
※ 註：充電槍電纜線掛勾之鎖固扭力建議以 9.0 ± 0.5 kgf-cm（對照其他單位），將槍座組合鎖緊固定即可



c. 壁掛板上方左右兩側預鎖壁 2 顆壁掛件用螺絲



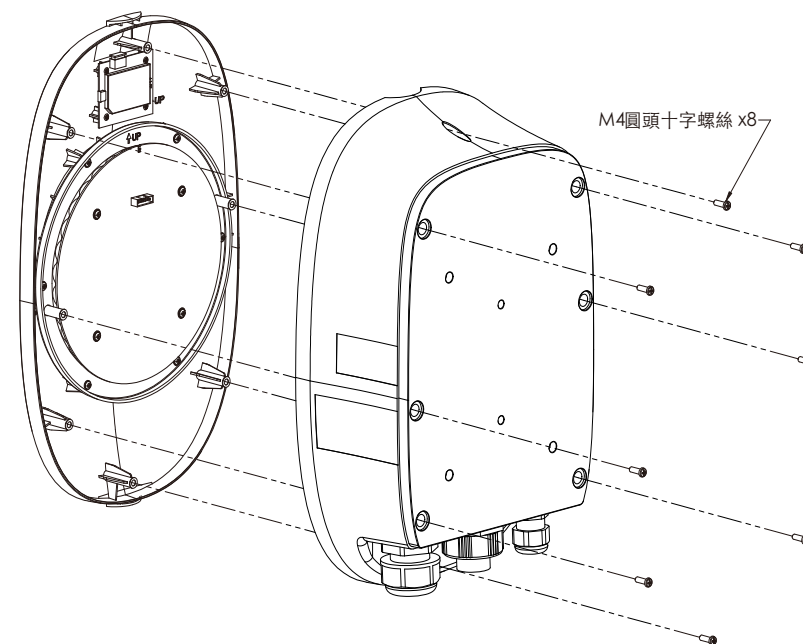
d.Type2 槍座組安裝固定方式



(2) 充電樁前後蓋組裝

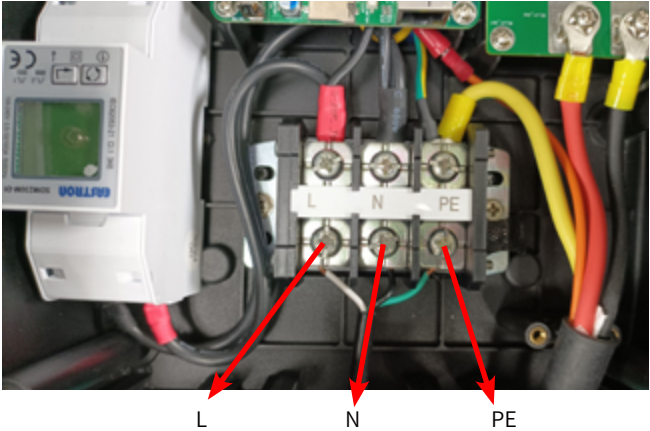
- 使用十字螺絲起子將 8 顆 M4 圓頭十字螺絲卸下
- 扶前蓋邊緣正上下方，拿起前蓋，請留意內部配線

※ 註：充電樁設備之鎖固扭力建議以 7.0 ± 0.5 kgf-cm（對照其他單位），將螺絲鎖緊即可，避免破壞設備結構



3. 電纜線配線

- 移除端子座上的透明保護蓋，將電纜線由充電器本體下方的電纜固定頭進線，並將電纜線固定於端子台上。
- 逆時針旋轉鬆開進線口的電纜固定頭，將電纜線穿入約 10~15cm 後順時針旋轉鎖緊電纜固定頭，並稍微拉扯確認電纜線不會移動。
- 將電纜線的 L、N 與 PE 電線分別壓接圓型端子後使用扭力起子鎖附於端子台上的 L、N 與 PE 上 (4N-m)，並將端子座透明保護蓋裝回。（注意：L、N 與 PE 電線的線色需依各國家或地區法規標示。）"



4. 使用模式設定

壁掛式充電器，可依需求調整使用模式，相關指撥開關設定方式如下；
注意：場勘時請先確認設備使用模式需求及有無額外購買 RFID 感應卡需求。
註：如有 EMS 或自有後台串接需求請參照本操作手冊 -07 系統設定

	隨插即用 (預設值)
	RFID 卡片認證
	全卡模式
	系統設定模式 (如有 EMS 或自有後台串接需求 請使用此設定)

(1) 偵測模式：

	接地故障偵測模式： 此設定因有安全責任問題，需固定在數字側（如圖，模式預設開啟），請勿任意變更（※ 如有特殊情形需調整者，請由專業人員確認，安裝人員可視現場狀況判斷進行設定調整）
	漏電流偵測模式： 此設定因有安全責任問題，需固定在數字側（如圖，模式預設開啟），請勿任意變更（※ 如有特殊情形需調整者，請由專業人員確認，安裝人員可視現場狀況判斷進行設定調整）

5. 確認需求電流及檢測調整輸出電流

使用三用電表或數位電表確認交流電源是否為 $220V \pm 10\%$ ？確認無誤後開啟無熔絲開關和漏電斷路器。

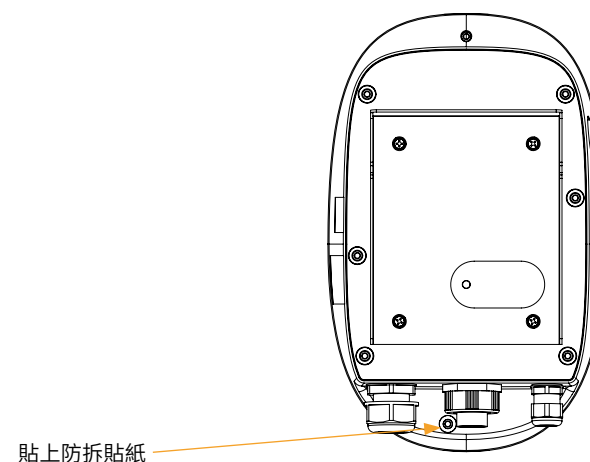
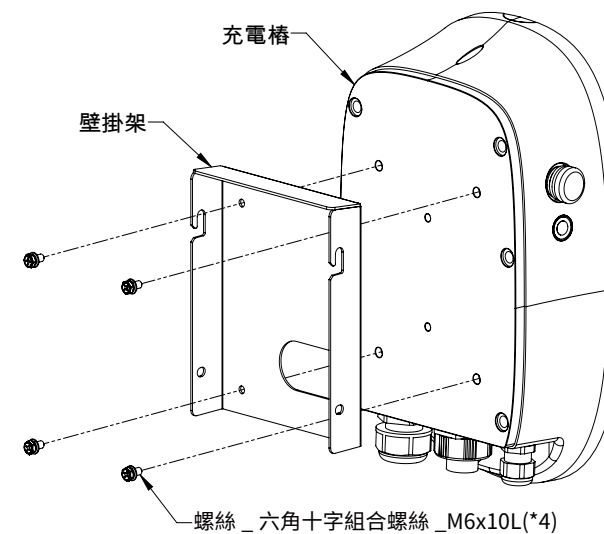


向上開啟 ON

漏電斷路器

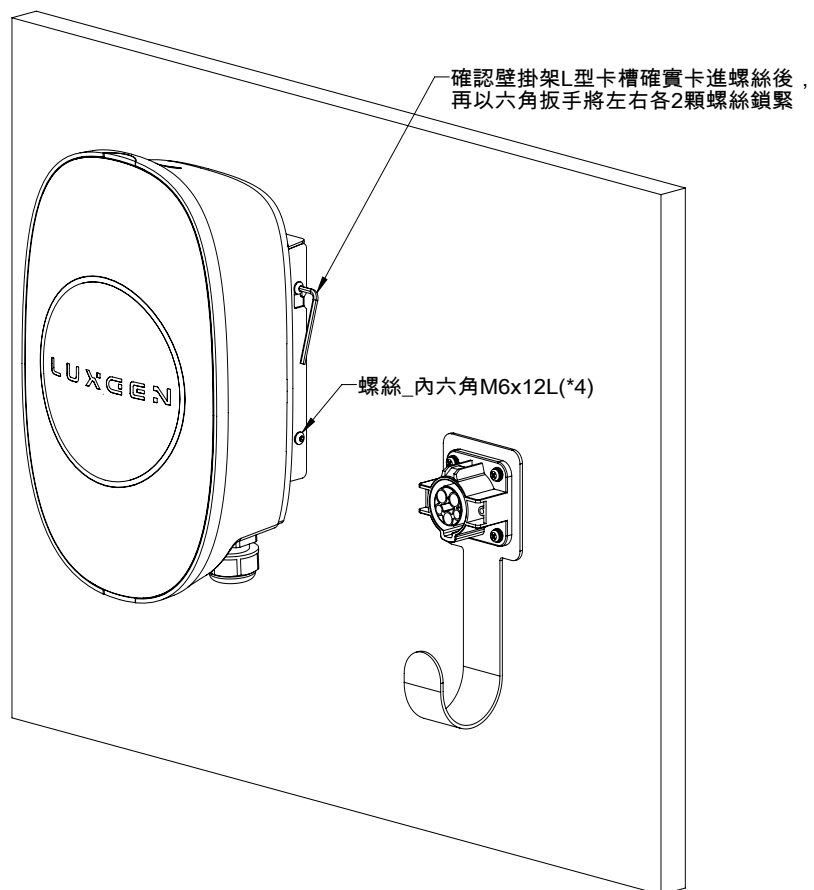
6. 鎖上前蓋及組裝壁掛架

- 確認配線、電流設定及使用模式完成後，鎖上前蓋
(註：請留意內部配線未掉落)
- 壁掛架放置於充電樁本體背部，對應四個孔位
- 使用十字螺絲起子將螺絲鎖緊
- 於設備下方螺絲上貼上防拆貼



7. 通電檢測及組裝

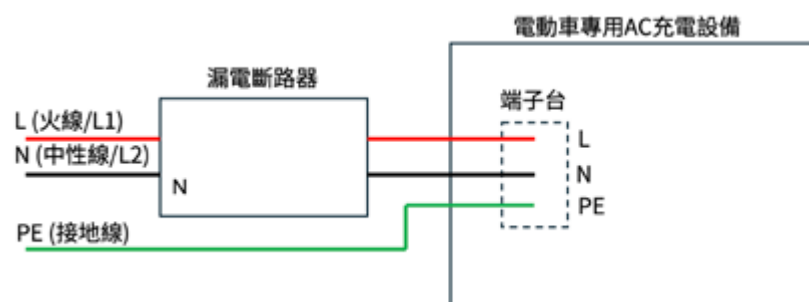
- 將充電樁鎖附於壁掛板或是立柱上。
- 開啟電力來源的漏電斷路器開關



- 通電後充電器啟動開機自我檢測完成後，進入待機狀態，此時面板燈號顯示為綠色燈，如圖所示。



8. 電力電纜接線圖



交流電纜線規格	額定電壓 / 電流	最大功率	壓接端子規格
3 * 6.0 mm ² (L、N、PE)	AC220V/32A	7.04kW	KST RNB5-6 或相容

操作說明

06

LUXCEN

1. 待機畫面



注意事項：

- (1) 本設備僅限電動汽車使用。
- (2) 充電中請勿強行拔除充電槍。
- (3) 如遇大雨造成雨水落在充電槍接口，請先將水珠擦拭乾淨再行使用。
- (4) 充電過程如發生緊急狀況，請按左側紅色緊急按鈕，立即停止充電。如：人員觸電、車端異常等。
- (5) 使用過程如有任何問題，請撥打華城電能科技股份有限公司 02-2325-3320。

2. 充電開始前

- 充電前原始設定為 0 小時，當按下功能鍵可預設 1、2、4 或 8 小時後，開始充電。當按到 8 小時後，再多按一次就變回原始設定。
- 功能鍵設定必須在待機中 (綠燈)，才能設定。如要取消必須按功能鍵回到原始設定。



3. 充電開始

- 取下充電槍連接至電動車充電接口。
- 進行充電時，指示燈號由恆亮綠燈轉為恆亮藍燈。



4. 充電結束

- 完成充電時，指示燈號由恆亮藍燈轉為閃爍綠燈。



5. 充電完成

將充電槍取出放回充電插座，指示燈號由閃爍綠燈轉為恆亮綠燈。



系統設定

07

1. 系統設定說明

- 可使用手機或電腦登入充電樁設定網頁，進行相關功能設定
- 如欲由系統網頁上更改設定值，充電樁狀態須在待機中（綠燈）才能設定

(1) 請先確認設備使用模式設定為「系統設定模式」，請參照本手冊 05 充電器安裝步驟 - 使用模式設定

(2) 前往您手機或平板的 Wi-Fi 設定，連接 Evalue 設備的 Wi-Fi：EVALUE_Charger_XXX-XX-XXXX，XXX-XX-XXXX 為 Evalue 設備的序號後 9 碼

(3) 連上 Evalue 設備後，輸入 WiFi 密碼：FevXXXX#，XXXX 為設備序號後 4 碼



(4) WiFi 連上後開啟瀏覽器，網址輸入 IP 位址：192.168.100.1，即可開啟充電樁系統網頁



使用者帳號：evalue

使用者密碼：000000

第一次登入會跳出是否需修改密碼，可進行更換密碼

2. 功能說明

(1) 使用紀錄

1. 一個頁面顯示 7 次充電紀錄
2. 點擊單次使用紀錄可顯示詳細資訊
 - 年 / 月 / 日、時 / 分 / 秒、長條圖，使用度數
 - 點下單次充電紀錄點按會顯示充電曲線 [充電時間 (x 軸) vs 電流 (y 軸)]

作業畫面



頁面顯示充電次數



使用紀錄詳細資訊

(2) 充電操作 / 充電樁狀態

1. 充電樁狀態充電中 / 待機中，狀態顯示：

- 充電樁充電中 - 顯示使用度數
- 充電樁待機中 - 顯示未開啟

註：隨插即用模式下，使用系統網頁操作停止充電／設定充電結束時間，須實際將充電槍取出後結束充電

作業畫面



充電樁充電中顯示



充電樁待機中顯示

2. 充電樁故障提示

作業畫面



充電樁故障提示

(3) 系統資訊

1. 系統版本

- MCU 版本：可更新下載及上傳更新
- 系統版本：可上傳更新
- MCU/ 系統：自動更新按鈕（每次點按觸發執行自動更新一次）
- 電錶版本
- Web 版本

※ 啟用自動更新顯示提示訊息：上傳更新後顯示開始更新→更新中，請勿重整頁面→更新成功

2. 硬體版本資訊

- SN
- MAC
- ModelName
- CompanyName
- 最大電流
- Wifi RSSI 訊號

作業畫面



更新下載



更新中



系統版本資訊顯示



硬體版本資訊顯示



更新成功

(4) 自動校時

自動校時：同步開關（開啟同步時間）

作業畫面



自動校時開啟同步



自動校時關閉同步



自動校時時區設定

(5) 充電模式

充電模式選單

1. 隨插即用
2. 全卡模式
3. 卡片認證模式
4. OCPP 模式 - 充電操作區提示燈亮起

※ 需先調整充電槽指撥開關：1off, 2on, 3off (OCPP 模式) 選取設定後點擊儲存，系統重啟

作業畫面



充電模式選單



OCPP 模式提示燈亮起



儲存系統重啟提示

(6) 延遲啟動

1. 於主畫面上方“設定”點擊進入系統設定
 - 輸入欲延遲充電設定之啟用充電時間
 - 輸入設定開啟時間為 24 小時制，設定時間上限為 24 小時，下限為 10 分鐘
 - 輸入完成後，欄位旁提示燈亮起
2. 延遲充電設定完成後，開啟充電開關，此時延遲充電時間提示出現，且充電度數顯示為“0”，在設定時間到後才開始啟用充電，此時才會顯示充電之度數

作業畫面



延遲充電開啟提示燈亮



延遲充電關閉



充電操作區延遲充電提示



延遲充電時間下限錯誤提示

(7) 定時關閉

1. 於主畫面上方“設定”點擊進入系統設定
 - 輸入欲定時關閉設定之結束充電時間
 - 輸入完成後，欄位旁提示燈亮起
2. 真正開始充電後（充電度數顯示不為 0），此時定時關閉提示出現，在設定時間到後將自動關閉充電中開關
3. 輸入設定開啟時間為 24 小時制，設定時間上限為 24 小時，下限為 10 分鐘

註：隨插即用模式下，使用系統網頁操作停止充電／設定充電結束時間，須實際將充電槍取出後結束充電

作業畫面



定時關閉提示燈



充電操作區顯示



定時關閉輸入錯誤提示



關閉定時關閉輸入

(8) 網路設定

1. 無線網路
 - 無線網路改選為 DHCP，儲存後系統自動重啟
 - 將手機 WiFi 改為與儲存 WiFi 相同才可登入
2. 有線網路
 - 有線網路 增加 DHCP/Static ip 設定
 - 數入完設定點擊儲存，改使用有線網路登入

作業畫面



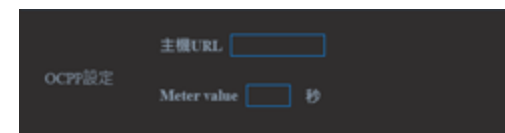
無線網路設定



有線網路設定

(9) OCPP 設定

- 如有後台連線需求，充電模式選擇 OCPP 模式
- 請於主機 URL 輸入位址及該後台 meter value 秒數
- 請參照以下格式
ws:// 後台主機 IP:port/...
ws:// 後台主機 URL:port/...
- 儲存後系統將會自動重新開機



(10) Restore/ Backup Config

1. Restore Config 上傳 - 點擊上傳檔案
2. Backup Config 下載 - 點擊下載文件

作業畫面



Restore Config 上傳



Backup Config 下載

(11) WLAN IP 地址過濾

1. 點擊欄位，選擇“關閉、允許、拒絕”
2. 選取允許及拒絕時
 - 下方出現空白可輸入欄位與右邊 + 新增欄位
 - 允許：儲存後只可設定之 ip 位置登入
 - 拒絕：儲存後所設定之 ip 位置不可登入

作業畫面



WLAN IP 關閉狀態

輸入允許之 ip 位置

輸入拒絕之 ip 位置

(12) RFID 卡片管理

1. 卡片清單

- 新增卡片上限 10 張卡
- 當使用上限額滿時，出現提示訊息
- “卡片上限為 10 張，您已加入 10 張卡片”

2. 新增卡片

- 點擊“新增卡片”
- (聽到充電樁發出滴滴聲後) 將卡片靠近充電樁讀卡機，進行感應
- 讀卡成功後左上角顯示卡號
- 提示訊息“卡片感應成功，請輸入您的卡片名稱，並點擊啟動加卡”
- 輸入卡片名稱完成後點擊啟動加卡
- 加卡成功

作業畫面



新增卡片額滿提示



卡片讀取



卡片輸入名稱啟動加卡

3. 刪除卡片

- - RFID 卡片管理頁面顯示“選取所有卡片及刪除”
- - 與所設定之卡片右上角顯示可勾選欄位
- - 選取後即可刪除卡片

作業畫面



勾選選取所有卡片



刪除卡片提示

(13) 帳號密碼設定**1. 修改帳號**

- - 點擊修改帳號，於輸入帳號欄位輸入新帳號
- - 輸入完畢後點擊確認修改，出現提示修改完成

2. 修改密碼

- - 點擊修改密碼
- - 先輸入舊密碼
- - 輸入新密碼後，需再次輸入新密碼確認
- - 完成後點擊確認修改，登出後使用新設定之密碼登入

作業畫面



帳號設定



修改帳號



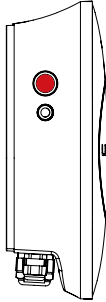
修改密碼



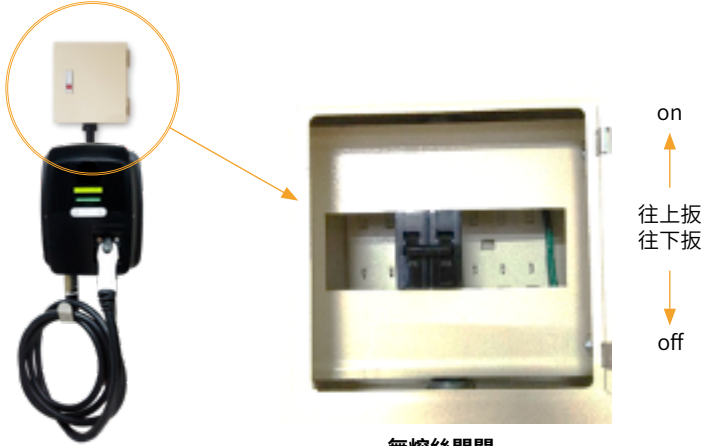
修改成功

疑難排除 Q&A

08

項次	LED 燈號	問題簡述	問題原因	排除方式
1	紅燈恆亮	「緊急按鈕啟動」	緊急按鈕已按下啟動 	確認充電器無異常後再按一次充電器左側之緊急按鈕關閉解除
2	紅燈閃爍三次 (嗶 3 短音)	「等待時間過長，尚未刷卡請重接充電槍」	充電槍與車輛連結後超過時間 (約 120 秒) 未刷卡。	重新刷卡後再次啟動充電 ※
3	紅燈閃爍 5 次	「輸出電流過高」	充電電流超過最大輸出電流設定值，充電器進入保護模式停止供電。	請先關閉充電器電源開關 (無熔絲開關 [註 3]) 後再重啟充電器，如仍持續發生請聯繫專業人員協助。
4	紅燈閃爍 5 次	「發生故障輸入電壓異常」	AC IN 電壓過低或是過高，充電器進入保護模式，停止供電。	
5	紅燈閃爍 9 次	「發生故障電錶異常」	充電器內建電表發生錯誤。	

項次	LED燈號	問題簡述	問題原因	排除方式
6	紅燈閃爍 3 次	「卡片錯誤」	使用之感應卡片損壞或使用非經設定過之感應卡片該充電器之感應卡片。	請確認使用之啟用卡為該充電器專屬認證過之卡片，如確認卡片無誤仍顯示卡片錯誤，請聯繫專業人員協助更換啟用卡或重新輸入卡號 ※
7	紅燈閃爍五次	「溫度異常 OTP」	充電器內部偵測溫度異常。	請在雙手乾燥情況下將電力箱內的漏電保護器重新開關，此步驟為先行排除是否為供電端的問題，如仍持續發生請聯繫專業人員協助。
8	紅燈閃爍 (持續 1 長音 1 短音)	「繼電器接點異常」	繼電器開關狀態異常	請立即關閉充電器電源開關 (無熔絲開關 [註 3]) 後再重啟充電器，如仍持續發生請聯繫專業人員協助。
9	紅燈閃爍 (持續 1 長音 3 短音)	「漏電流偵測異常」	設備消耗電流異常	請先關閉充電器電源開關 (無熔絲開關 [註 3])，確認現地環境是否漏電流並排除後再重啟充電器，如仍持續發生請聯繫專業人員協助。
10	紅燈閃爍	「接地異常」	接地阻抗過大	請先關閉充電器電源開關 (無熔絲開關 [註 3])，確認接地是否故障並排除後再重啟充電器，如仍持續發生請聯繫專業人員協助。



無熔絲開關箱 [註 3]

無熔絲開關

(開關箱尺寸、形式依現場狀況選用)

充電器有限品質保養

09

1. 一般條款

- 本充電器自保固起算日保固 2 年，保固範圍包含充電器本體及其內部電子元件（耗材除外，如：保險絲）、充電槍，保固貼紙如有破損、拆除痕跡或人為破壞時，如仍於保固期限內亦不予以保固。
- 華城電能有限品質保養承諾從華城電能充電器產品安裝日起，二年（“質保期”）內享受由於充電器本身出現的故障質保。包括但不限於因下述情形導致華城電能充電器出現缺陷或受到損壞，不享受有限保修待遇：
 - 因正常磨損或老化、誤用、濫用、疏忽、事故、不當使用、存放環境導致的任何直接或間接損壞或故障。
 - 無遵守華城電能充電器依本《操作手冊》的操作說明及注意事項。
 - 外部因素，包括但不限於用物件撞擊華城電能充電器、周圍存放環境或天災（包括但不限於火災、地震、洪水、閃電以及其他環境情況）。
 - 一般的外觀損壞，包括刮痕、凹陷或龜裂。
 - 未獲華城授權或許可標章的個人或機構以任何方式維修、更換或改裝華城電能充電器，或安裝或使用任何零件或配件。
 - 缺乏或不當的維修或保養；以及包括使用非華城電能所提供的配件或零件。

2. 責任限制

- 如非經華城電能認證之專業人員施工安裝充電器而造成設備損壞，則不在保固範圍內，若有發生任何人員或財產傷害，本公司皆不負任何法律責任與損害賠償。
- 針對上述針對上述權利未涵蓋的部分，華城電能不承擔本《操作手冊》所載之補救措施以外的責任，包括但不限於任何產品無法使用、利益損失、業務損失，或是資料或軟體遺失、損毀、受損，或服務條款之責任。除明確指出者外，華城電能不承擔任何衍生性、特別的、間接的、懲罰性損害之責任（即使華城電能已知悉可能發生這類損害），或負責任何第三方提出的求償。針對任何與購買產品相關的責任，您同意 華城電能 均不承擔或負起支付超出您訂購金額的任何賠償金額之責任。在消費者的投訴中，協助釐清重大傷亡或是刑事犯罪事件的責任範圍可能比疏忽導致的損害還廣，在此情況下，華城電能不會試圖排除相關責任。

3. 保養

- 充電器表面如有灰塵或髒汙可用擰乾的抹布進行表面擦拭，不可使用有機溶劑或揮發性液體擦拭避免損壞充電器外殼及引起火災的風險。
- 可由所在地合格之電機專業人員定期檢測外部開關箱內無熔絲開關的一二次側接點是否有鬆脫或異物。
- 長時間不使用充電器時，可將外部開關箱內的無熔絲開關關閉。

· 型號：

COAA-X32A-A8、COAA-X32B-A8

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Made in Taiwan

About This Operating Instruction Manual

01

Error or Omission

If you would like to convey any recommendation or omission with respect to this "Operating Instruction Manual", you are welcome to send your comments or recommendation to this email address: service@f-evalue.com

Copyright & Trademark

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The product specifications are subject to change without prior notice.

Safety information

02

Important Safety Instruction

This operating instruction manual includes the important instruction and warning which shall be followed during the installation and maintenance of wall mounted EV charger.

Warning

- Prior to use this product, please read all instructions.
- If there is any child nearby while using this product, monitor and control the child shall be required and pay attention to safety.
- The charger shall be grounded through the permanent wiring system or the protective grounding conductor.
- Please do not install or use the charger around the combustible, explosive, irritating or flammable materials, chemical goods or gases.
- Prior to install or clean the charger, please turn off the input power on the circuit breaker.
- Please strictly follow the specified operating parameters for using the charger.
- Please do not spray water or any other liquid directly on the switch box installed on the wall. Please do not spray any liquid on the charging gun or immerse the charging gun in the liquid. Please place the charging gun on the base to prevent from contacting with the unnecessary contaminant or moisture.
- If the charger has defect, appears crack, wear, fracture or damage so that it cannot be used or operated, please stop using or do not use it.
- Please do not attempt to disassemble, repair, improperly adjust or modify the charger. The user shall not repair the charger by himself. If any repair or modification is required, please contact with the Fortune Electric Value Co., Ltd.
- Please be careful during the shipment of charger. Please do not subject the charger to strong force or impact, or pull, twist, tangle, drag or step on the charger to prevent from damage to the body or any component.
- Please do not contact with the end of charging gun head with your fingers or sharp metal object (such as electric wire, tool or needle etc.).
- Please do not fold any part of the charger or put pressure on it, or damage it with sharp object.
- Please do not insert foreign object into any part of the charger.
- The use of charger may affect or damage the operation of medical or implantable electronic equipment, such as the implantable pacemaker or implantable defibrillator. Prior to use the charger, please consult with the manufacturer of electronic equipment with respect to the impact of charging on such electronic equipment.
- Even if residential environment requirements are met, in-vehicle radio reception may still be disturbed by noise generated by non-vehicle-mounted electric vehicle charging systems. To protect in-vehicle radio reception, some vehicle manufacturers may apply CISPR 25 limit values to their vehicles. However, these limit values do not apply to non-vehicle-mounted electric vehicle charging systems (EUT).

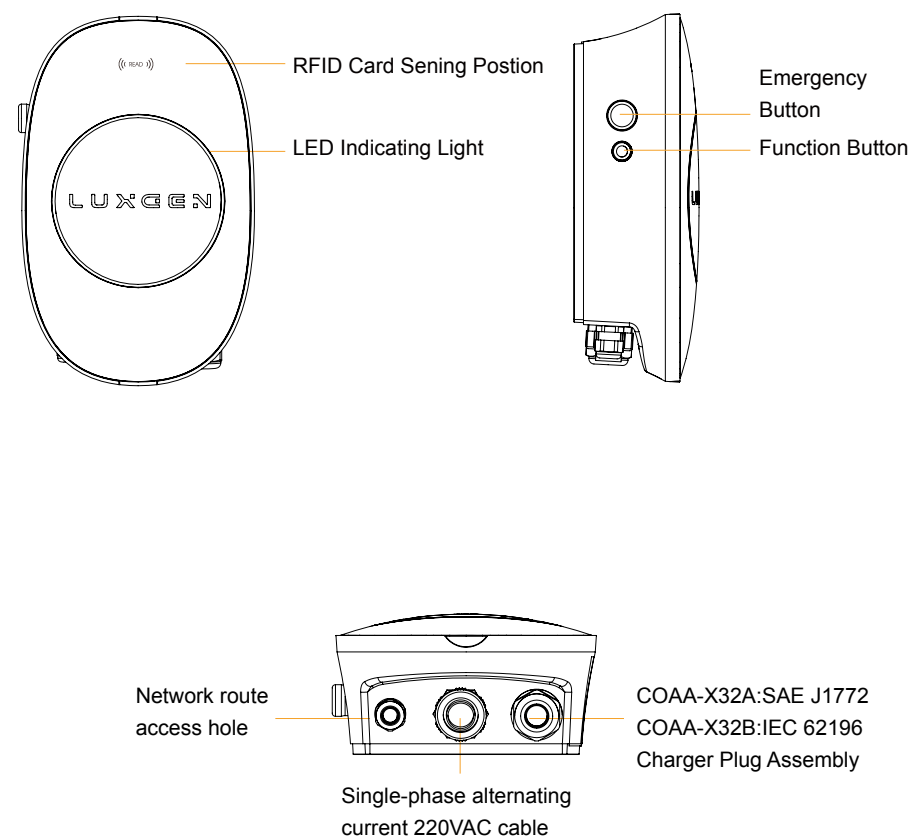
Precautions

- Please do not use the generator as the power supply source for charging operation.
- The incorrect installation and test of charger will cause the potential damage to the vehicle battery and/or the charger itself. Any damage caused by these will not be covered by the warranty.
- Please do not operate the charger under the temperature outside the operating range i.e. -13 °F to 122°F (-25°C to 50°C).
- If using a network cable, the length must not exceed thirty meters.
- This charging device must be used with a certified non-fuse switch overload protector and leakage protection circuit breaker to comply with the national BSMI VPC (Voluntary Product Certification) certification requirements. If you have any questions about installation, please contact EVALUE for consultation or purchase qualified materials. If the non-fuse switch overload protector and leakage protection circuit breaker are not used, the user shall be responsible for the abnormality or other problems of the charging equipment.
- Do not use adapters or conversion connectors.
- Do not use extension cord sets.

Specification

03

1.Product Physical Appearance



2.Product Specification

Description	Specification
Voltage Specification	- Voltage Used:220V Single-phase AC: L, Neutral & Ground Cable - Voltage Range: 220V AC between N end and L end
Frequency Range	60 Hz
Output Current	(Highest) 32A
Power Output	(Highest) 7.04KW
Charging Gun Specification	COAA-X32A-A8:SAE J1772 COAA-X32B-A8:IEC 62196
Cable Length	5m
Physical Dimension of Charger	Length: 380mm / Width: 240mm /Height: 130mm
Weight	5.3kg (including charging gun cable)
Communication	Interface: LAN,Protocol: OCPP 1.6
Buttons	Emergency Stop Switch, Function Button
Indicating Lights	Standby: Green Light, Under Charging: Blue Light, Full Charge: Flashing Green Light, Error: Red Light
Identification of User Identity	RFID Card Reader(Note: Enable or disable identify identification function is selectable)
Protection Function	Overvoltage Protection, Low voltage protection, Over Current Protection, Short Circuit Protection, Overload Protection, Over-temperature protection,Relay contact fault detection protection,leakage current self-detection protection
Operating Environmen	Indoor/Outdoor
Operating Temperature	-25°C to 50°C
Humidity	<95% Relative Humidity
IP Dustproof/Waterproof Class	IP55
Protection against electric shock	Class I
Certification Standard	CNS15511(The EV charging equipment operates in Charging Mode 3.)

3.Function

(1) Start of Delaying Charge

If you want to delay the charging start time, you can long-press the function button for more than 5 seconds. When you hear two beeps, you can release it. At this point, each press of the function button will change the indicator light, cycling through green, white, blue, yellow, and purple colors. These colors represent delays of 0, 1, 2, 4, and 8 hours respectively. Once the desired delay is selected, wait for 2 seconds, then listen for a single beep, indicating that the setting is complete.

For example: If the current time is 10:00 and you want to start charging in 2 hours, you can set the delay charging time to the blue light. After plugging in, it will start counting down 2 hours, and after the countdown, the charger will automatically start charging.

Light color	Hours
Green	0
White	1
Blue	2
Yellow	4
Purple	8

(2) Add Cards and Delete Cards

- Add Cards :

a. Press the emergency stop switch and the light turn to red.

b. Press and hold the function key for more than 5 seconds. After hearing two beeps, release the button. At this point, the blue/green lights will flash alternately, indicating that you have entered the card addition mode.

c.Hold the card near the RFID reader. After a long beep, the light will return to red, indicating the card number has been added.

d.Reset the emergency button, the LED light will turn green, and the charging pile will be in standby mode.

(Note: Only one card can be added at a time.)

- Delete Cards:

a. Press the emergency stop switch and the light turn to red.

b. Press and hold the function key for more than 5 seconds. After hearing two beeps, release

the button. At this point, the blue/green lights will flash alternately, indicating that you have entered the card addition mode.

c. Press the function key once and release it after hearing two beeps. When the blue/red lights flash alternately, you have entered the card deletion mode.

d. After entering the card deletion mode, press and hold the function key for more than 5 seconds until you hear a long beep, then release the key. The light will return to red, indicating that all card numbers have been deleted.

e. Reset the emergency button. The LED light will turn green, indicating that the charging station is in standby mode.

(4) Factory Reset

a. Press the emergency stop switch and the light turn to red.

b. Press and hold the function key for more than 5 seconds. After hearing two beeps, release the button. At this point, the blue/green lights will flash alternately, indicating that you have entered the card addition mode.

c. Press the function key twice. You will hear two beeps each time. When the red/green lights flash alternately, you have entered the factory reset mode.

d. After entering the restore factory settings mode, press and hold the function button for more than 5 seconds until you hear a long beep. Release the button, and the LED will turn red, indicating that the factory settings have been restored.

e. Reset the emergency button. At this point, the charger is preparing to restart. The LED will change from red to white. Please wait for the system to boot up (approximately 3 minutes).

f. The LED will turn green, indicating that the charging station is in standby mode.

Preparation for Installation

04

1. Minimum Requirements

- Measure the load of power supply and confirm it is able to meet the maximum current of charger.
- The rated current size of spared or newly added no-fuse breaker in the switch box shall be 1.25 times greater than the maximum current of charger.
- Confirm the field voltage and wiring distance, and calculate if the voltage drop is able to meet the local regulations or the minimum requirements of charger.

2. Power Supply Cable

The cable shall use the insulation-jacketed copper wire certified by the local country, and the withstand current of wire shall be 1.25 times greater than the rated current of no fuse breaker.

3. Power Supply Mode

The power used by charger is the single-phase 3-wire 220V. (Note: It is recommended that the power distribution/wiring shall be performed by the qualified power technician or engineer to avoid the electric shock or short circuit accident occurred on the personnel.)

4. Confirm if Rated Capacity of Your No Fuse Breaker Able to Meet Requirements

- Confirm the specification of your main switch. Please check the distribution panel or switch box to determine the current amount available for the power source at the installation site.

5. ELCB SPEC

Supplier	Type	Rated Current	Rated Sensitivity Current
Shihlin Electric	BHR-B4	63A	30mA
Shihlin Electric	BHR-B4	100A	30mA
Shihlin Electric	BHR-B4N	40A	30mA
VeKON	VDC-100EV	63A	30mA
VeKON	VDC-100EV	100A	30mA

6. Selection of Best Position for Wall mounted EV charger

Confirm the parking position to ensure that the charging cable is able to connect to the charging connector at the vehicle end. The charger shall be placed at the following positions:

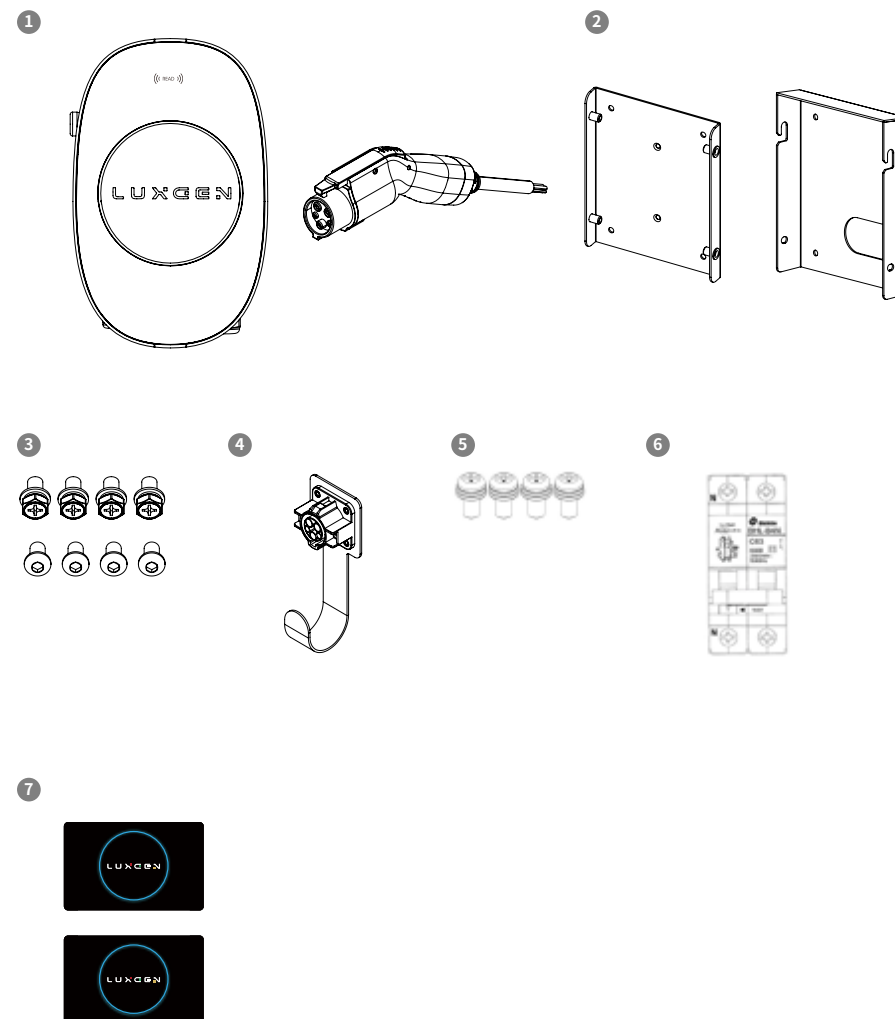
- In the enclosed garage, it is usually located next to the charging connector of vehicle.
- This charging equipment is a stationary device, fixed to a wall or post using surface-mounted installation.
- A well-ventilated place, avoid install in the enclosed case body or near the heat transfer device.
- The indoor charger shall be installed at the position of 45 cm or more above the ground but less than 120 cm.
- The outdoor charger shall be installed at the position of 60 cm or more above the ground but less than 120 cm.
- The charger body shall be 20 cm or more away from the surrounding obstacles, so that the cable is able to wrap around the charger body during the storage.

7. Precautions for Installation

- Prior to the installation, please confirm that the switch of power supply is turned off and the power is cut off and the preventive measures are taken to avoid the electric shock hazard occurred to the personnel during the installation process of charger.
- The wiring process shall performed in accordance with the related local power regulations for proceeding the installation.

8. Check Contents

Item	Description	Qty
1	Wallbox Body & Charger Cable	1
2	Metal Parts of wall hanging	1
3	Wall hanging mount	8
4	Charger plug cable hook	1
5	Hex key screw for cable hook	4
6	RCCB	1
7	RFID Card	2
8	Operation Manual	1
9	Product Warranty Card	1



Installation Steps of Charger

05

1.Tools & Material

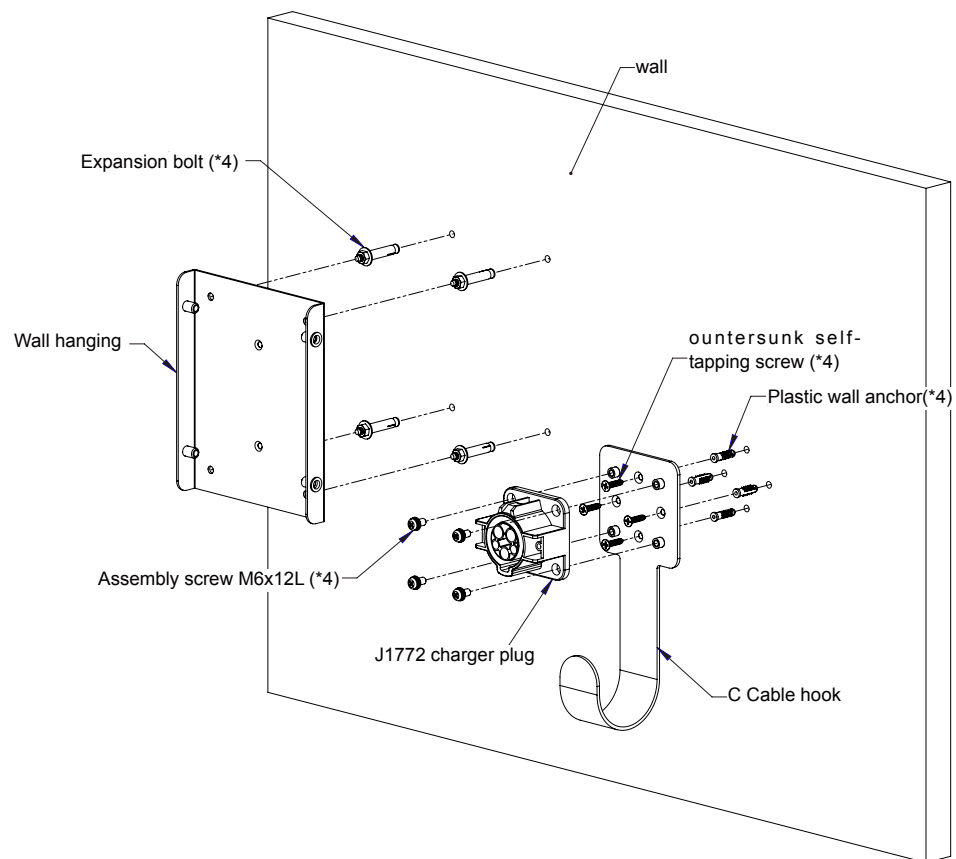
- Pencil or sign pen
- Electrician's plier
- Wire stripper
- 2mm² ~ 14mm² crimping plier
- Measuring tape
- Multimeter or digital multimeter
- Phillips screwdriver
- Small flat head screwdriver
- Spirit level
- Electric drill and bits
- Plastic anchor
- Round terminal R8-6
- Torque screwdriver
- Hex wrench

2. Wall-mount Charger Installation Procedures

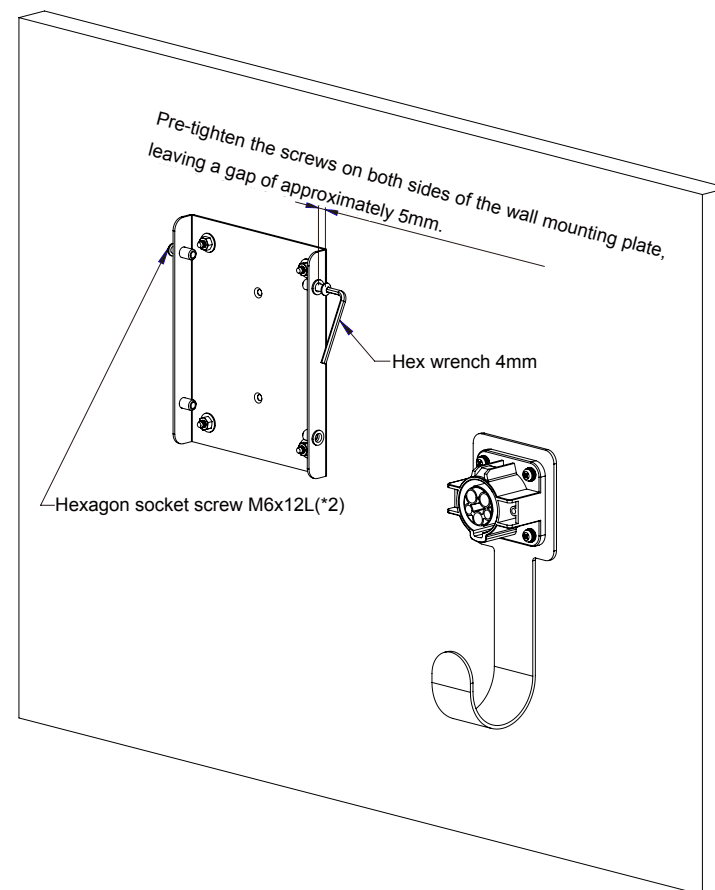
(1) Use the wall mount metal pieces as guidance, mark drill positions as shown in below illustration

- Use a drill to make holes and insert the expansion screws into the holes.
- Use screws to secure the wall mount bracket (paying attention to the bracket orientation) and the charging gun cable hook to the wall.

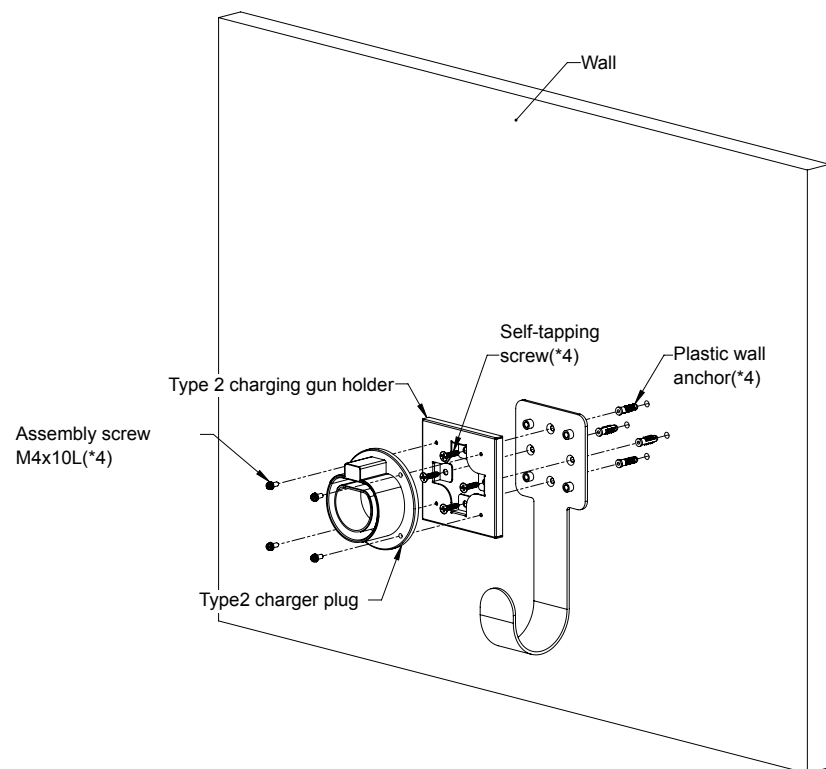
Note: It is recommended to secure the charger plug cable hook with a torque of 9.0 ± 0.5 kgf-cm (convert to other units as needed). Tighten and secure the charging socket assembly accordingly.



- On the top left and right sides of the wall mount plate, pre-install the two wall mounting screws.



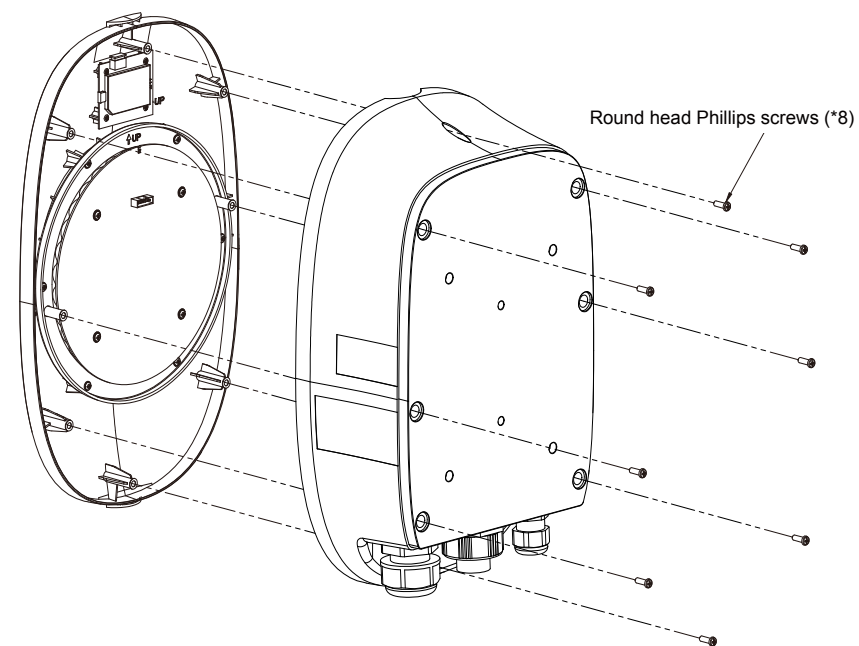
d. Type 2 Charger Socket Installation and Fixation Method



(2) Assemble the front and rear covers of the charging pile.

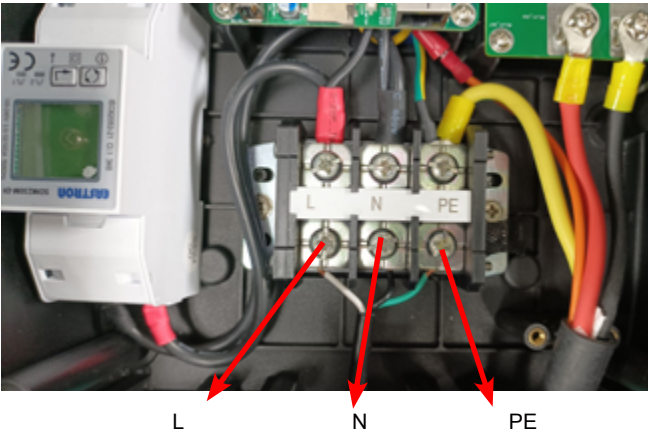
- Use a Phillips screwdriver to remove the 8 M4 round-head Phillips screws.
- Hold the front cover by its top and bottom edges, lift it up, and be mindful of the internal wiring.

Note: The recommended tightening torque for securing the charging station equipment is 7.0 ± 0.5 kgf-cm (convert to other units as needed). Tighten the screws properly to avoid damaging the equipment structure.



3. Cable wiring

- Remove the transparent protective cover from the terminal block, feed the cable through the cable strain relief at the bottom of the charger body, and secure the cable to the terminal block.
- Loosen the cable strain relief at the entry port by rotating it counterclockwise. Insert the cable about 10-15 cm into the port, then tighten the strain relief by rotating it clockwise. Gently pull on the cable to ensure it is securely fixed and does not move.
- Crimp the L, N and PE with ring terminals. Then, use a torque screwdriver to secure them to the corresponding terminals on the terminal block (L, N and PE) with a torque of 4 N·m. Reattach the transparent protective cover to the terminal block. (Note: The wire colors for L, N and PE should comply with local regulations and standards.)



4.Setting the operation modes

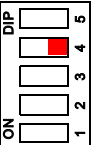
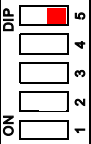
The wall-mount charger can be adjusted the operating mode according to your needs. Settings of the corresponding modes as below :

Attention: Please ensure if extra RFID cards are needed and confirm user's setting preferences at the preliminary evaluation

	Plug-and-play Function(Default)
	RFID Card Reading
	Full Function
	System Setting Mode (Noted: If there is a need for EMS or custom backend integration, please use this setting)

Notes: If there is a need for EMS or custom backend integration, please refer to this operation manual - Section 07: System Settings.

(1) Detection Mode

	Ground Fault Detection Mode : This setting must be fixed on the numerical side for safety reasons (as shown in the image, the mode is enabled by default), and should not be altered arbitrarily. ※If special adjustments are necessary, please have a professional confirm. Installation personnel may adjust the settings based on the on-site conditions.
	Residual Current Detection Mode: This setting must be fixed on the numerical side for safety reasons (as shown in the image, the mode is enabled by default) and should not be changed arbitrarily. ※If special adjustments are necessary, please have a professional confirm. Installation personnel may adjust the settings based on the on-site conditions.

5. Confirm Required Current and Adjust Output Current Detection

Use a multimeter or digital voltmeter to confirm that the AC power supply is $220V \pm 10\%$. Once verified, turn on the circuit breaker and residual current circuit breaker (RCCB).

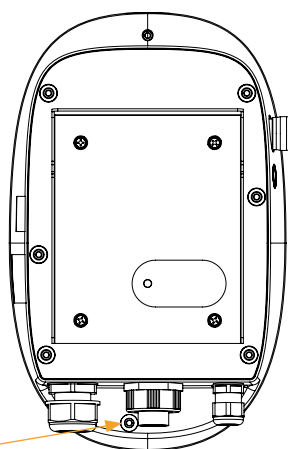
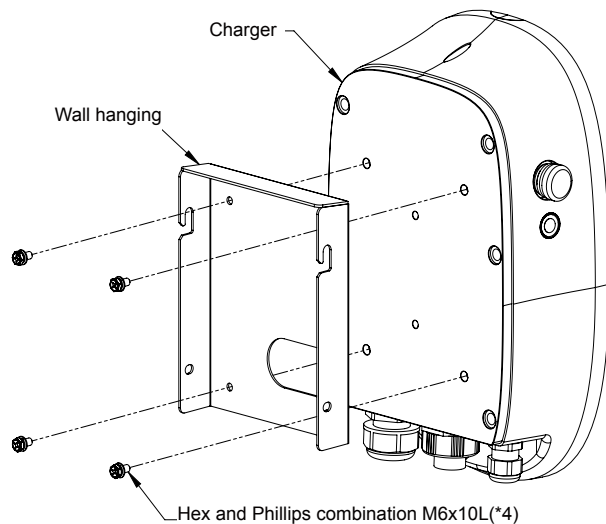


Upward to open ON

Leakage Circuit Breaker

6. Secure the front cover and assemble the wall mount

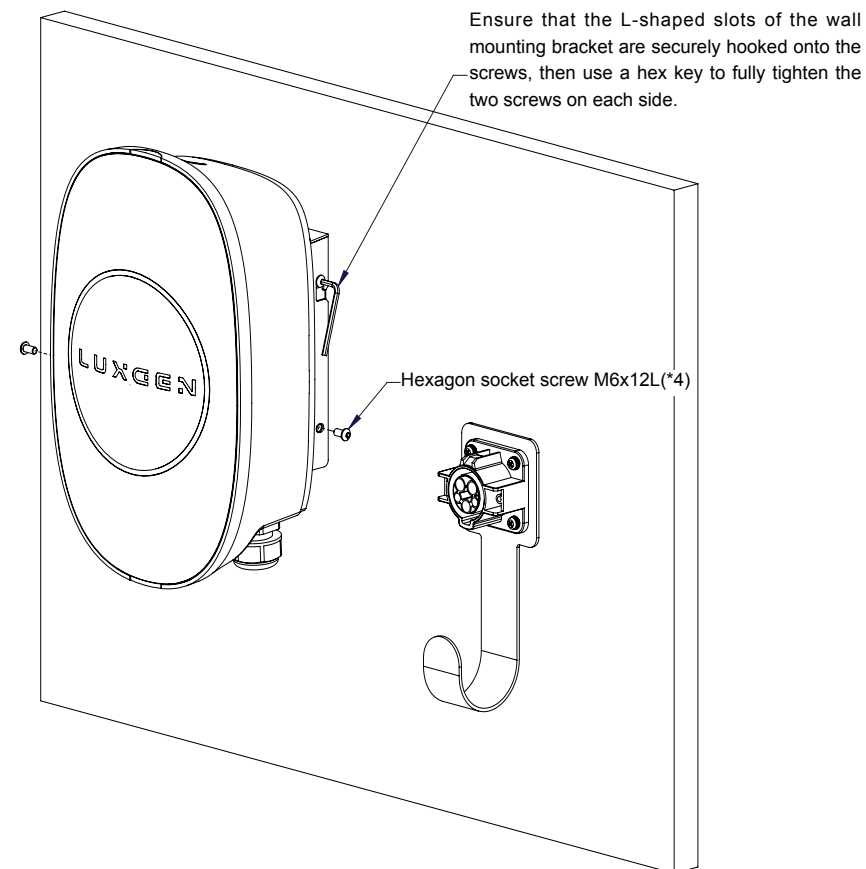
- After confirming the wiring, current settings, and usage mode, secure the front cover.
(Note: Please ensure that the internal wiring has not come loose.)
- Place the wall mount bracket on the back of the charging pile body, aligning it with the four holes.
- Use a phillips screw driver to tighten the screws.
- Place an anti-tamper sticker on the screws located at the bottom of the device.



Place the anti-tamper sticker.

7. Power-on testing and assembly

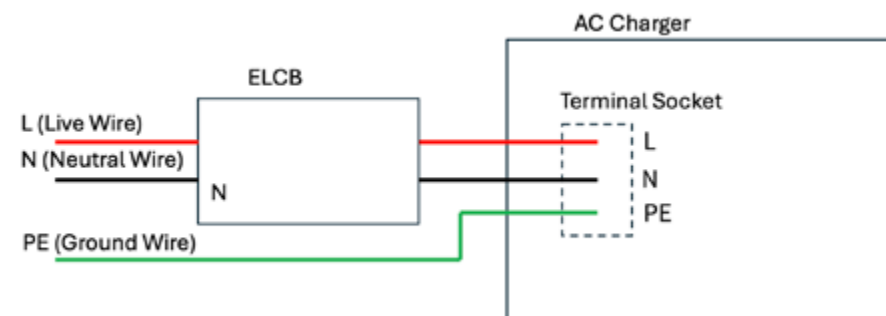
- Secure the charger to the wall mounting plate or post.
- Turn on the power source's residual current circuit breaker switch.



c. After powering on, the charger will initiate a self-diagnostic check. Upon completion, it will enter standby mode, with the panel indicator light showing green, as illustrated.



8.Power Cable Wiring Diagram



AC cable specifications	Rated voltage/ current	Maximum power	Crimp terminal specifications
3 * 6.0 mm ² (L、N、PE)	AC220V/32A	7.04kW	KST RNB5-6 or Compatible products

Operating Instruction

06

LUXCEN

1.Standby Page



Precautions:

- (1) This equipment is only used by the electric vehicle.
- (2) Please do not remove the charging gun forcibly during the charging process.
- (3) If the rain drops on the connector of charging gun due to the heavy rain, please wipe off the raindrop prior to use.
- (4) If the emergency situation occurs during the charging process, please press the red emergency button on the left to stop the charge immediately, such as: electric shock of personnel, abnormal at vehicle end, etc.
- (5) If you have any question during the using process, please call customer service number 02-23253320 at the Fortune Electric Value Co., Ltd.

2.Prior to Charge

- The original setting is 0 hour prior to charge. When the function button is pressed, it is able to preset that the charge starts after 1, 2, 4 or 8 hours. After pressing up to 8 hours, it will return to the original setting after pressing it once again.
- The DELAY setting can only be set while the standby mode(green light). If the cancel is required, function button shall be pressed for returning to the original setting.

**3.Start to Charge**

- Remove the charging gun and connect to the charging connector of electric vehicle.
- When perform the charge, the indicating light switches from the steady green light to the steady blue light.

**4.End of Charge**

- After completing the charge, the indicating light switches from the steady blue light to the flashing green light.
- The LCM displays the current degree and time in Chinese/English alternately.

**5.Completion of Charge**

Take out the charging gun and place back to the charging outlet, the indicating light switches from the flashing green light to the steady green light.



System setting

07

1. System Setup Instructions

- You can use your mobile phone or computer to log in to the charging pile setting webpage and set related functions.
- If you want to change the setting value from the system web page, the charging pile status must be in standby (green light) before setting

(1) Please first ensure the device is set to "System Setup Mode" in the usage mode settings. Refer to this manual, Section 05: Installation Steps of Charger - Setting the operation modes

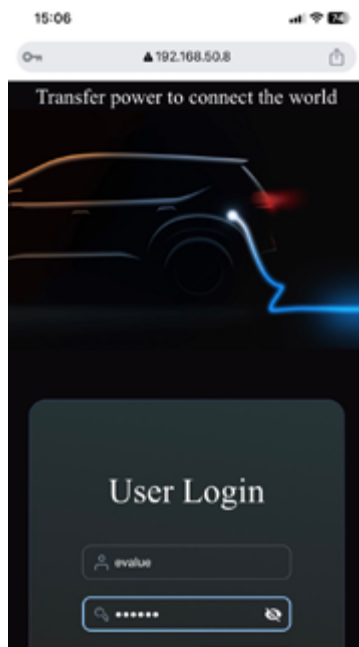
(2) Go to the Wi-Fi settings on your phone or tablet, connect to the Evalue device's Wi-Fi: EVALUE_Charger_XXX-XX-XXXX.

Note: XXX-XX-XXXX represents the serial number of the Evalue device.

(3) After connecting to the Evalue device, enter the WiFi password: FevXXXX#, where XXXX is the last 4 digits of the device serial number.



(4) When connected After connecting to WiFi, open a web browser and enter the charging station's ethernet IP address to access the charging station system webpage.



User Account : evalue

User Password : 000000

The first time you log in, you will be prompted to change your password. You can proceed to change your password at that time.

2. Function Description

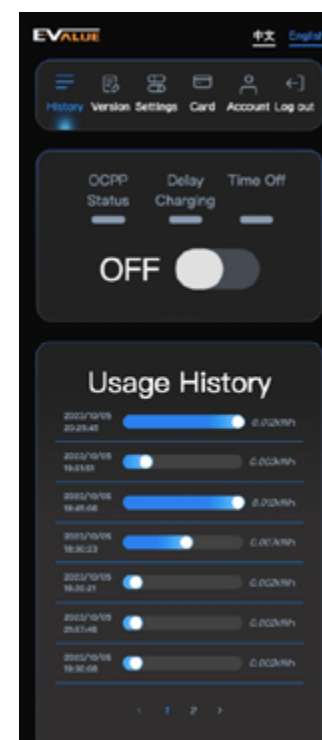
(1) Usage Record

1. One page displays 7 charging records.

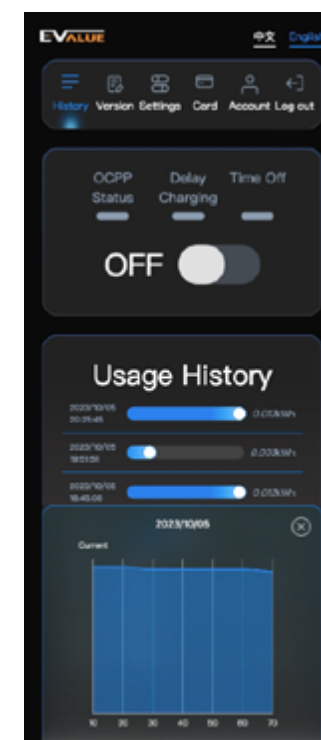
2. Clicking on a single usage record will show detailed information

- Date (year/month/day), time (hour/minute/second), bar chart displaying usage, and electricity consumption.
- Clicking on a single charging record will display the charging curve [charging time (x-axis) vs. current (y-axis)].

User Interface



Charging records



Detailed Charging Record Information

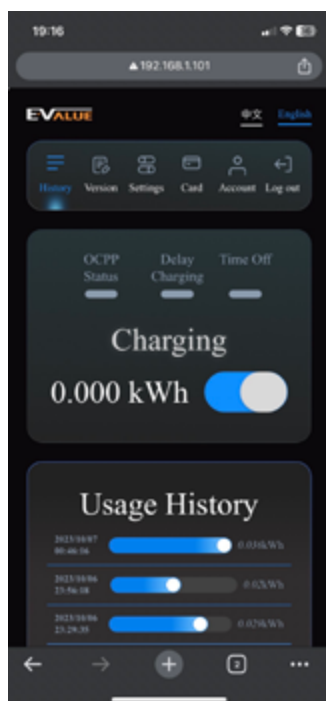
(2) Charging Operation/ Charging Station Status

1.Charger Status - On/Off, Displayed as:

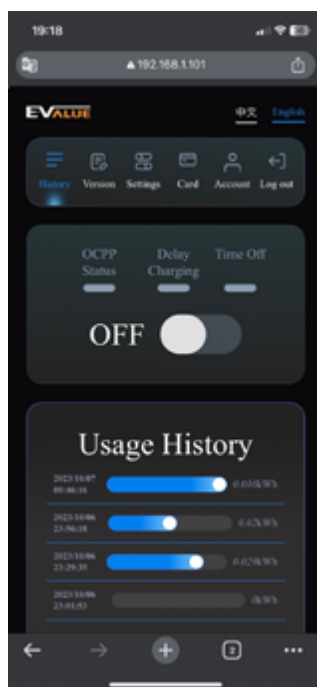
- Charging On - Displays Usage
- Standby mode - Displays Not Enabled

Note: In plug-and-play mode, when using the system webpage to stop charging or set the charging end time, the charging session will only end after the charging plug is removed.

User Interface



Charger Charging mode Display



Charger Standby mode Display

2.Fault Indicator

User Interface



Charging Pile Error Message

(3) Information

1. System information

- MCU version Update Download and Upload Available
- System version Update Available for Upload
- MCU/system Automatic Update
- Meter version
- Web version

Enable manual update to display the following messages:

After uploading the update, the message will show: "Update Started", "Updating, please do not refresh the page", "Update Successful"

2. Hardware Version Information

- SN
- MAC
- ModelName
- CompanyName
- Maximum Current
- Wi-Fi RSSI Signal

User Interface



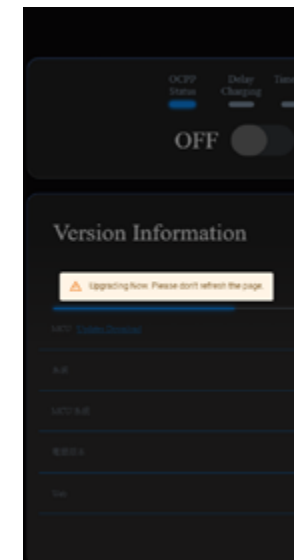
System Version Display



Hardware System Version Display



Update Download



Upgrading

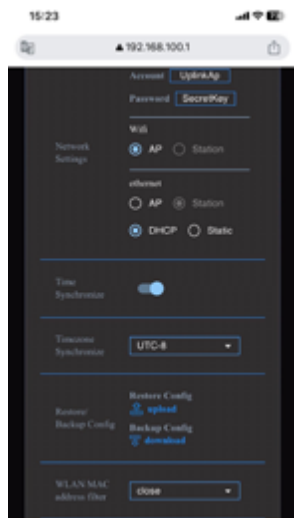


Update successfully

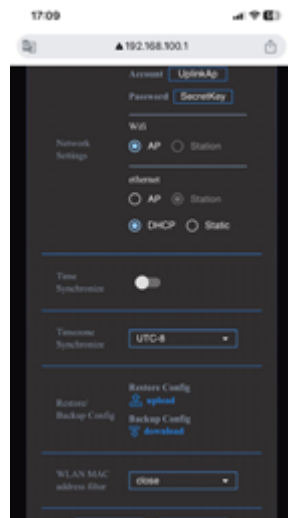
(4) Automatic Time Calibration

Automatic Time Calibration : Synchronization Switch (Enable Time Synchronization)

User Interface



Automatic Time Calibration Turned On for Synchronization



Automatic Time Calibration Turned Off for Synchronization

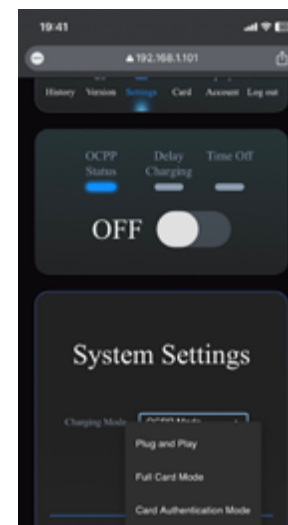


Automatic Time Calibration Time Zone Setting

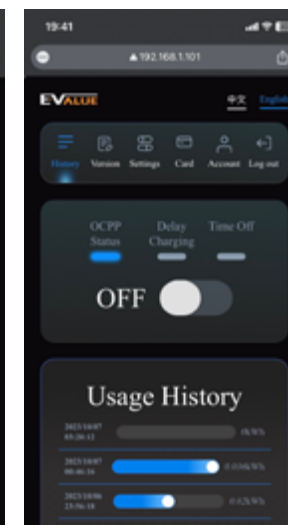
(5) Charging Mode Menu

1. Plug-and-play Function
 2. Full Function
 3. RFID Card Reading
 4. OCPP Mode - Charging Control Area Indicator Light Illuminated
- The charging pile DIP switches need to be set first: 1 off, 2 on, 3 off (OCPP mode). After selecting the settings, click save, and the system will reboot.

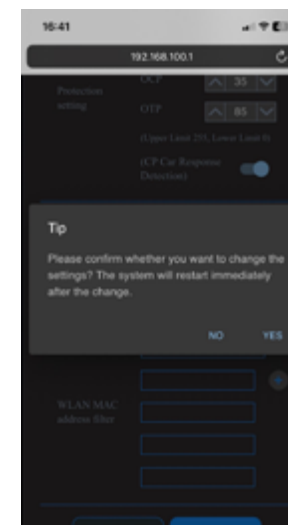
User Interface



Charging Mode Menu



OCPP Mode Indicator Light Illuminated



System Reboot Indicator

(6) Delaying Charge

1. On the main screen, click on "Settings" at the top to enter the system settings.

- Enter the desired charging delay setting in the "Enable Charging Time" field.
- Enter the setting in a 24-hour format, with a minimum delay of 10 minutes and a maximum of 24 hours.
- Once you've entered the setting, the indicator light next to the field will illuminate.

2. After completing the delayed charging setting, turn on the charging switch. At this point, the delayed charging time indication will appear, and the charging usage will display as "0." Charging will only begin after the set time has elapsed, and at that time, the charging usage will start to display.

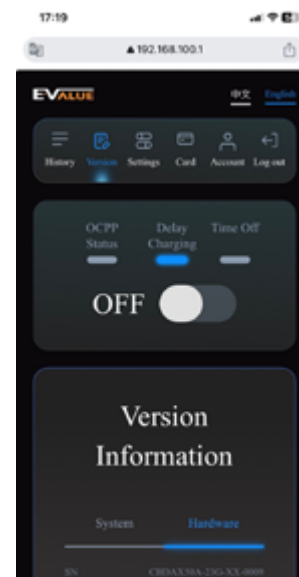
User Interface



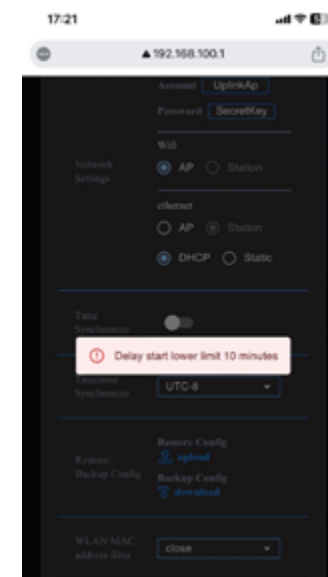
Delayed Charging Enabled Indicator Light Illuminated



Delayed Charging Off



Charging Control Area Delayed Charging Notification



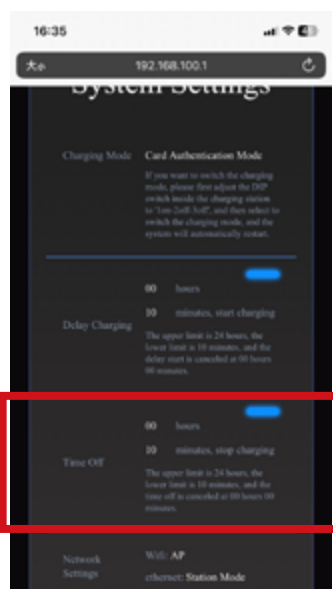
Minimum Delayed Charging Time Limit Error Notification

(7) Time off

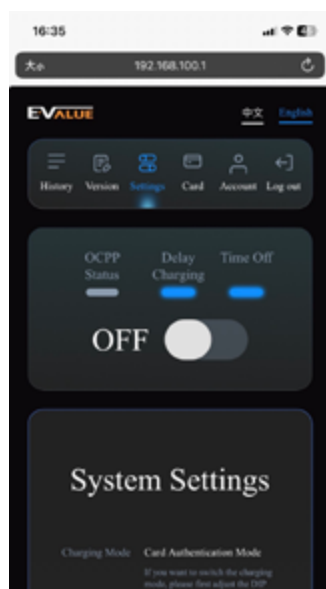
1. On the main screen, click "Settings" to enter the system settings.
 - Enter the desired end charging time for the scheduled shutdown.
 - After entering, the indicator light next to the field will turn on.
2. After charging actually starts (when the charging kWh display is not 0), the scheduled shutdown prompt will appear. When the set time is reached, the charging switch will automatically turn off.
3. The input time format is in a 24-hour system, with a maximum setting time of 24 hours and a minimum of 10 minutes

Note: In plug-and-play mode, when using the system webpage to stop charging or set the charging end time, the charging session will only end after the charging plug is removed.

User Interface



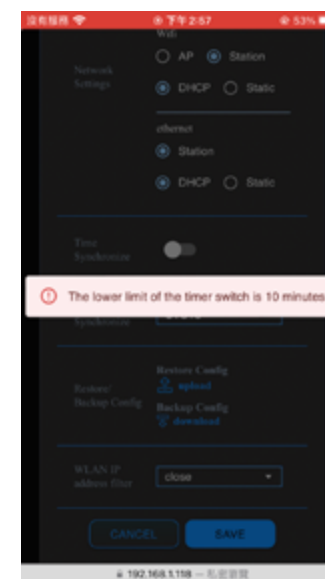
Time off Indicator Light



Charging Operation Area Display



Close Time off



Input Error Indicator

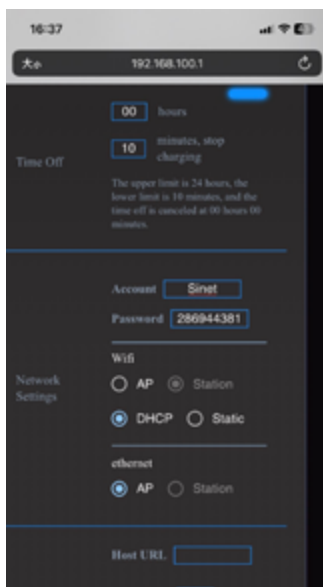
(8) Network Settings

1. Wireless Network

- Change the wireless network to DHCP, save, and the system will automatically reboot.
- Change your phone's WiFi to match the saved WiFi in order to log in.

2. Wired Network

- Add DHCP/Static IP setting for the wired network.
- After entering the settings, click save, and switch to using the wired network to log in.

User Interface

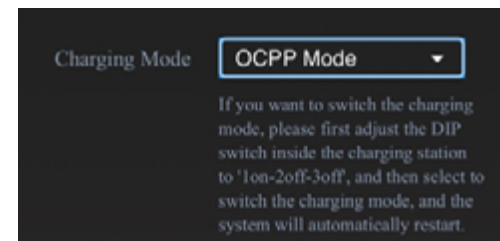
Wireless Network Settings



Wired Network Settings

(9) OCPP Settings

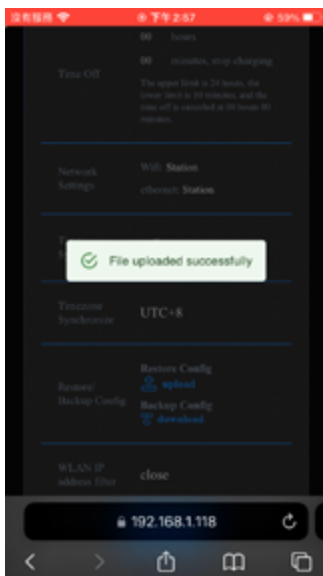
- If a backend connection is required, charging mode selects OCPP mode
- Enter the server URL and the meter value time interval in seconds.
- Please follow the format below:
ws://server IP/...
ws://server URL/...
- After saving, the system will automatically restart.



(10) Restore/Backup Config

Restore Config: Upload - Click to upload file.

Backup Config: Download - Click to download file.

User Interface

Restore Config Upload



Backup Config Download

(11) WLAN IP Address Filtering

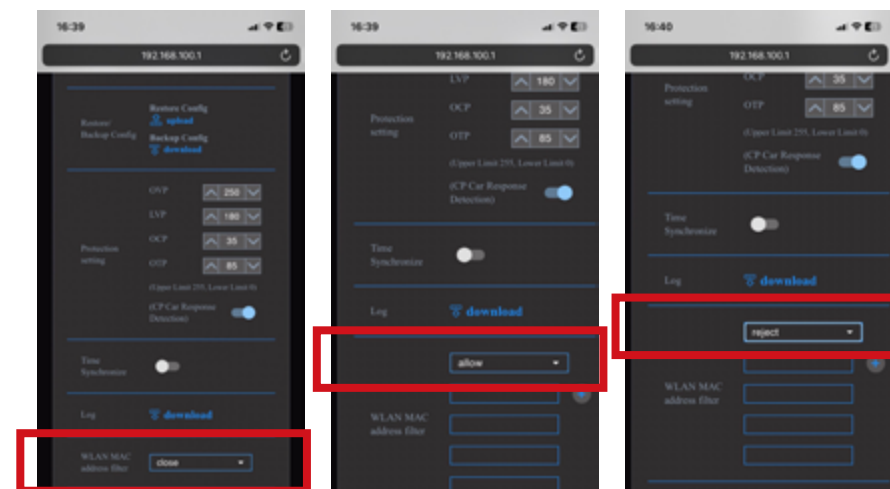
1. Click on the field, select "Close, Allow, Reject".

2. When selecting Allow or Reject:

- Below, a blank field appears where you can enter the IP address, with a "+" button on the right to add a new field.

- Allow: After saving, only the specified IP addresses can log in.

- Reject: After saving, the specified IP addresses cannot log in

User Interface

WLAN IP Close

Enter Allowed IP Addresses

Enter Rejected IP Addresses

(12) RFID Card Management

1.Card List

- The maximum limit for adding cards is 10.
- When the maximum limit is reached, a prompt will appear: "The card limit is 10, and you have added 10 cards."

2.Add a New Card

- Click on "Add New Card."
- (After listening the charger beep)Please place the card near the charging station's card reader for detection.
- Once the card is successfully read, the card number will appear in the upper left corner.
- A prompt will appear: "Card detection successful. Please enter your card name and click 'Start Adding Card.'"
- After entering the card name, click 'Start Adding Card.'
- The card addition is successful.

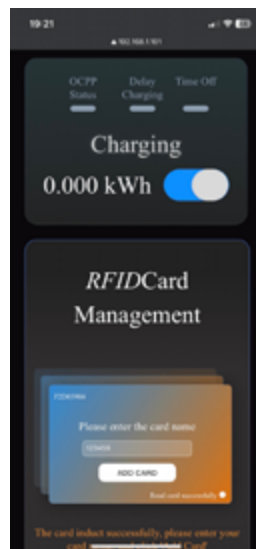
User Interface



Card Addition Limit
Exceeded Notification



Card Reading

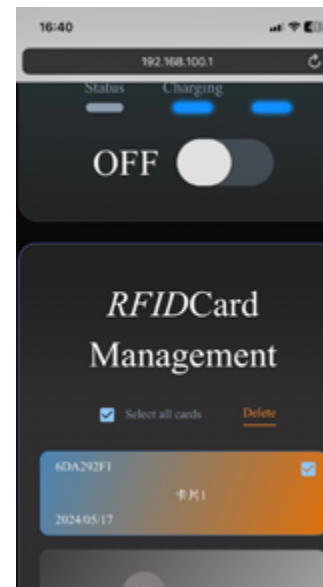


Enter Card Name to Start
Adding Card

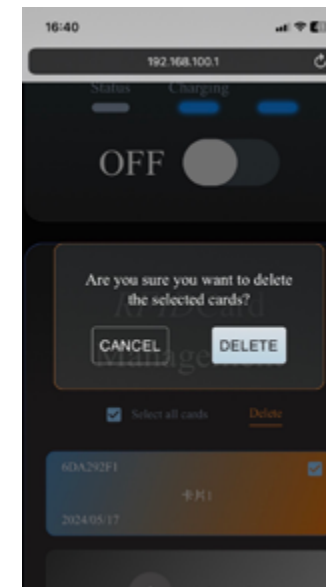
3. Delete Card

- The RFID card management page displays "Select All Cards and Delete".
- A selectable checkbox appears at the top right corner of each configured card.
- After selecting, you can delete the card.

User Interface



Select all cards



Delete Cards Indicator

(13) Account and Password Settings

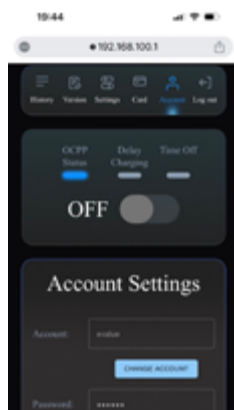
1. Change Account

- Click "Change Account" and enter the new account in the input field.
- After entering, click "Confirm Change", and a message will appear indicating the change is complete.

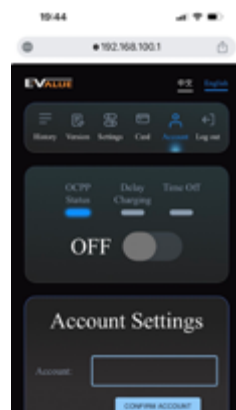
2. Change Password

- Click "Change Password".
- First, enter the old password.
- After entering the new password, re-enter it for confirmation.
- Once done, click "Confirm Change". After logging out, use the newly set password to log in.

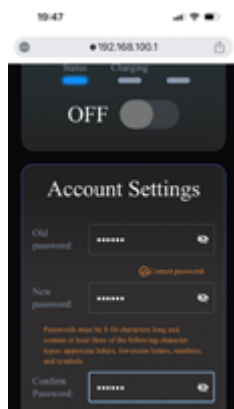
User Interface



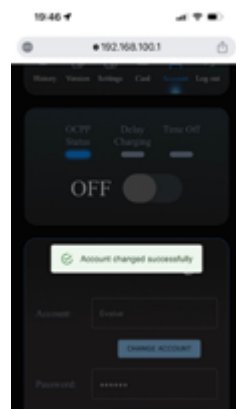
Account Setting



Change Account



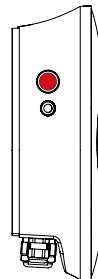
Change Password



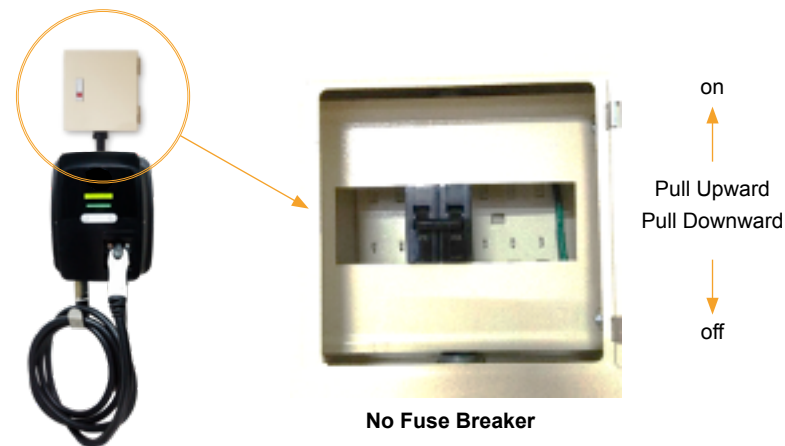
Changed Successfully Setting

Troubleshooting Q&A

08

	LED Light	Brief description	Cause of Problem	Troubleshooting Mode
1	Steady Red Light	"Start Emergency Button"	Start has already been pressed for emergency button 	After confirming no abnormality on the charger, press the emergency stop switch located on the left side of charger once again to close the release
2	Red Light Flashing for 3 times (3 short beep)	"Waiting time too long, card not swiped. Please reconnect the charging gun."	Card is not swiped after connecting the charging gun and vehicle (approximately 120 seconds)	Please swipe the card again and restart charging.
3	Red Light Flashing for 5 times	"Output current too high"	The charging current exceeds the maximum setting value of output current, charger enters into the protection mode and stop the power supply.	Please turn off the power switch of charger (no fuse breaker [Note 3]), and then restart the charger, if it continues to occur, please contact with professional for assistance.
4	Red Light Flashing for 5 times	"Malfunction Abnormal Voltage"	If the AC IN voltage is too low or too high, the charger will enter protection mode and stop the power supply.	
5	Red Light Flashing for 9 times	"Malfunction Abnormal Meter" "Meter is abnormal"	Error occurred on the built-in electricity meter of charger.	

	LED Light	Brief description	Cause of Problem	Troubleshooting Mode
6	Red light flashing for 3 times	"Wrong card"	The sensing card used by the charger is damaged or the sensing card used by the charger has not been set.	Please confirm that the enable card used is the unique card certified by the charger. If the card is correct and the card error is still displayed, please contact the professional for assisting in replacing the enable card or re-entering the card number.
7	Red Light Flashing for 5 times	"Temperature Abnormal, OTP"	Internal Temperature Abnormality Detected in the Charger.	Please, under dry conditions, switch off and on the residual current circuit breaker inside the power box. This step is to initially rule out whether it is a power supply issue. If the issue persists, please contact a professional for assistance.
8	Red light flashing (Continuous 1 long beep followed by 1 short beep)	Relay contact abnormal	Relay switch status abnormal	Immediately turn off the charger power switch (circuit breaker [Note 3]) and then restart the charger. If the issue persists, please contact a professional for assistance.
9	Red light flashing (Continuous 1 long beep followed by 3 short beep)	Residual current detection abnormal	Abnormal equipment current consumption	Please first turn off the charger power switch (circuit breaker [Note 3]) and check if there is any ground leakage in the local environment. After resolving the issue, restart the charger. If the issue persists, please contact a professional for assistance.
10	Red light flashing	Grounding abnormality	Ground impedance too high	Please first turn off the charger power switch (circuit breaker [Note 3]), check for any grounding faults, and resolve the issue before restarting the charger. If the issue persists, please contact a professional for assistance.



No Fuse Breaker Box
[Note 3]

No Fuse Breaker
Size and shape of the product will be selected according to the situation on-site.

Limited Quality Maintenance of Charging Equipment

09

1.General Terms

- This charger is warranted for 2 years from the date of warranty. The warranty scope includes the charger body and its internal electronic components (except consumables, such as fuses), charging guns, if the warranty stickers have damages, removal trace, or man-made damages, no warranty will be provided even during the warranty period.
- The limited quality maintenance commitment made by Fortune Electric Value Co., Ltd. starts from the date of installation of charger product made by Fortune Electric Value Co., Ltd. for two years ("Quality Warranty Period") to enjoy the quality warranty for the failure presented on the charger itself. This does not include but not limited to the defect or damage caused to the charger of Fortune Electric Value Co., Ltd. due to the following situations, that does not enjoy the limited maintenance warranty:
 - Any direct or indirect damage or malfunction caused due to the normal wear or aging, misuse, abuse, negligence, accident, improper use or storage environment.
 - Fail to follow the operating instruction manual and pre-cautions required by Fortune Electric Value Co., Ltd. for this charger.
 - External factors, including but not limited to collide the charger of Fortune Electric Value Co., Ltd. with objects, the surrounding storage environment or natural disasters (including but not limited to fire, earthquake, flood, lightning and other environmental conditions).
 - General appearance damage, including scratches, dents or cracks.
 - An individual or organization who has not been authorized or licensed by Fortune Electric Value Co., Ltd. to repair, replace or modify the charger of Fortune Electric Value Co., Ltd. in any way, or install or use any parts or accessories.
 - Lacking or performing improper repair or maintenance; and including the use of accessories or parts not provided by Fortune Electric Value Co., Ltd.

2.Limitation of Liability

- If the construction/installation of charger is performed by the professional personnel not certified by Fortune Electric Value Co., Ltd. that causes the damage to the equipment, it will not be covered by the warranty scope. If any personal injury or property damage occur, this company will not be liable for any legal responsibility and compensation for damage.
- Regarding the part not covered by the above stated rights, Fortune Electric Value Co., Ltd. does not assume any liability beyond the remedial measures contained in this operating instruction manual, including but not limited to unable to use any product, profit loss, business loss or liability from the data or software loss, demolition, damage or service terms. Except as specifically stated, Fortune Electric Value Co., Ltd. shall not be liable for any derivative, special, indirect, punitive damages (even if Fortune Electric Value Co., Ltd. has already aware that such damage may occur), or be responsible for claims from any third party. For any liability as related to the purchase of the product,

you agree, Fortune Electric Value Co., Ltd. shall not be responsible or liable for paying any compensation in excess of the dollar amount you ordered. In the complaints made by consumer, the scope of responsibility for assisting in clarifying the major casualty or criminal event may be even wider than the damage caused by negligence, under such circumstance, Fortune Electric Value Co., Ltd. will not try to exclude the relevant liability.

3.Maintenance

- If there is dust or dirt on the charger surface, wipe the surface with the dry cloth. Do not use the organic solvent or volatile liquid for wiping to avoid damaging to the charger housing and the risk of fire.
- The qualified electrical professionals at the location may perform the regular test to check if the primary or secondary side contact of the no fuse breaker in the external switch box has any loose or foreign objects.
- When the charger is not used for a long term, the no fuse breaker in the external switch box can be turned off.
- **Model:**
COAA-X32A-A8,COAA-X32B-A8

Fortune Electric Value Co., Ltd.

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