

GAL18V-40-2



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安全注意事項



請詳讀所有安全注意事項和指示。如未遵守安全注意事項與指示，可能導致火災、人員遭受電擊及／或重傷。

妥善保存本使用說明書。

在完全了解機器的所有功能，以及能夠沒有阻礙地執行各功能或取得相關的使用指示之後，才能開始使用本充電器。

- ▶ 此一充電式裝置原本並不是設計提供給兒童以及身體、感官或心智能力有缺陷，或是缺乏相關經驗及知識的人士操作。8 歲以上兒童以及身體、感官或心智能力有缺陷，或是缺乏相關經驗及知識的人士，只要在他人監督下或接受過如何安全處置此充電器的指導，並充份瞭解相關危險，即可使用該充電器。否則可能會造成操作上的錯誤以及受傷危險。
- ▶ 使用、清潔及維修期間，請隨時留意兒童。如此才能確保他們未將本充電器當做玩具任意玩耍。
- ▶ 僅可對容量 1.3 Ah 以上的 Bosch 鋰離子電池或 AMPShare 合作夥伴的充電電池進行充電。充電電池的電壓必須與充電器的充電電壓相符。請勿對非充電型電池進行充電。否則有失火與爆炸之虞。



充電器僅可用於室內並且不得暴露在潮濕環境中。水進入充電器將增加觸電危險。

- ▶ 充電器請保持清潔。髒污亦有造成人員觸電之虞。
- ▶ 每次使用前，請仔細檢查充電器，包括線材及插頭。若有發現任何受損現象，請勿使用充電器。請勿自行拆開充電器並將其交由 Bosch 或授權的客戶服務中心以原廠替換零件進行維修。已受損的充電器、線材和插頭，會提高觸電風險。
- ▶ 使用中的充電器請勿擱置在紙張、布料等易燃材料上或讓它處於易燃環境中。進行充電時充電器會升溫，有導致失火之虞。
- ▶ 請勿遮住充電器的通風口。否則本充電器可能過熱而無法再正常運作。
- ▶ 只用製造商規定的充電器充電。將適用於某種電池盒的充電器用到其他電池盒時會發生著火危險。
- ▶ 如果充電電池損壞了，或者未按照規定使用充電電池，充電電池中會散發出有毒蒸氣。工作場所必須保持空氣流通，如果身體有任何不適必須馬上就醫。充電電池散發的蒸氣會刺激呼吸道。
- ▶ 在濫用條件下，液體會從電池中濺出；避免接觸。如果意外碰到了，用水沖洗。如果液體碰到了眼睛，還要尋求醫療幫助。從電池中濺出的液體會發生腐蝕或燃燒。

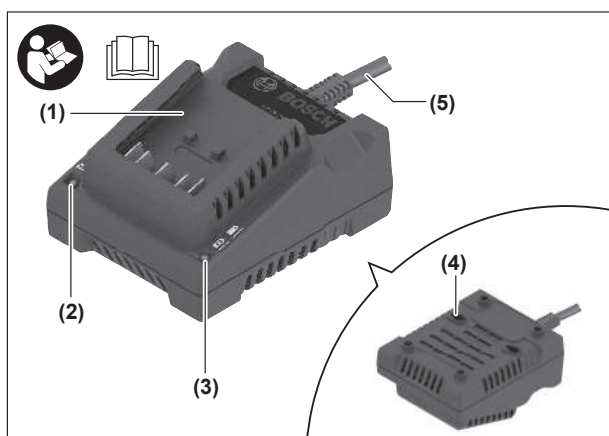
產品和規格

依規定使用機器

本電池充電器專為可充電式 Bosch 或其 AMPShare 合作夥伴的鋰離子充電電池而設計。

插圖上的機件

充電器的編號和儀器圖示上的編號一致。



- (1) 充電槽
- (2) 代表溫度監控／錯誤的紅色指示器
- (3) 綠色電量指示器
- (4) 壁掛架
- (5) 可拆式電源線

技術性數據

充電器	GAL18V-40-2
絕緣等級	□ / II
充電電流 ^{A)}	4.0 A
充電電池的充電電壓（自動偵測電壓）	18 V
重量 ^{B)}	0.28 kg
容許的充電溫度範圍	0 ... 45 °C

A 視溫度和充電電池型號而定

)

B 不包括電源線和電源插頭的重量

)

數值可能因產品而異，並受使用條件以及環境條件影響。進一步資訊請見 www.bosch-professional.com/wac。

充電

- ▶ 注意電源的電壓 電源的電壓必須和充電器銘牌上標示的電壓數據一致。
- ▶ 請勿拉扯電源線 (5) 以斷開其與充電器的連接。

❗ 請確保充電槽 (1) 和充電電池觸點未受到粗糙髒污。確定充電電池已完整插入。

只需將電源線 (5) 插至充電器上、將電源插頭插至插座上，並將充電電池裝入充電槽 (1) 內，即可自動開始充電。

❗ 充電電池溫度位於許可的充電溫度範圍 (0–45 °C) 內，才可進行充電。

透過智慧型充電程序，機器能夠自動判斷充電電池的充電狀況。本機器會在考量充電電池溫度與電壓的前提下，以最佳的充電電流進行充電。

充電後如果充電電池的使用時間明顯縮短，代表充電電池已經損壞，必須更換新的充電電池。

在持續或不間斷地先後使用充電器後，可能導致充電器變熱，此乃正常現象，並不表示充電器有技術性瑕疵。

指示燈號的代表含義

電池電量指示器閃爍綠燈



電量指示器 (3) 若處於綠色快速閃爍狀態，表示正在快速充電。

充電電池可隨時取出使用。

充電量達到約 80 % 時，綠色充電指示燈的閃爍速度隨即減緩。此時，停止快速充電。若充電電池留在電池充電器中，則充電過程將以較低的速度進行。

綠色電池充電狀態指示器持續亮起



充電指示燈 (3) 若呈綠色持續亮起，代表充電電池已完全充飽。現在您可以取出並且馬上使用充電電池。

未裝入充電電池時，充電指示燈 (3) 則持續亮起，這代表電源插頭已插入插座，且電池充電器已準備就緒。

溫度監控紅色指示器持續亮起



紅色指示器 (2) 持續亮起時，代表充電電池溫度已超出許可充電溫度範圍 (0–45 °C)。待回到容許溫度範圍後，將立即開始充電。

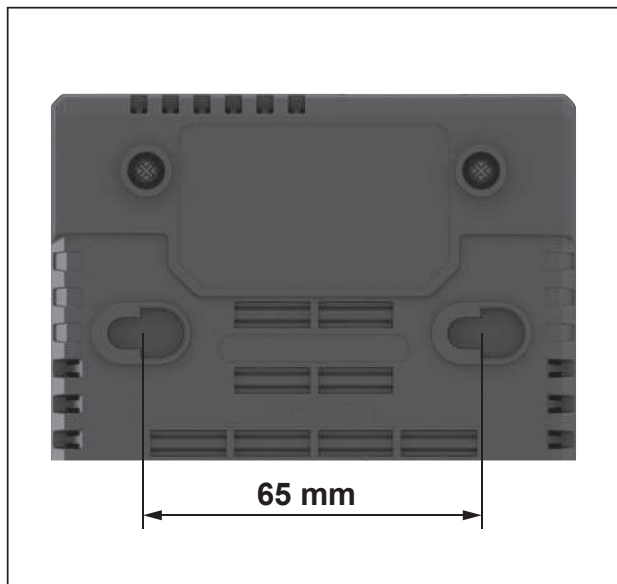
錯誤紅色指示器閃爍



紅色指示器 (2) 閃爍時，代表充電過程 (參見「充電電池不充電」，頁 3) 的另一種錯誤。

安裝於牆面上

- ▶ 對充電器進行任何作業之前，務必將插頭從插座上拔出。



使用本電池充電器時，可將它放置於桌面上或懸掛在牆面上。

若要固定在牆面上：在 65 mm 距離處鑽 2 個孔。請用直徑 5 mm 至最大 6.5 mm 的圓頭螺栓進行固定。

故障排除

充電電池不充電



充電電池不在充電且溫度監控／錯誤紅色指示器 (2) 閃爍紅色。

原因：電池充電器偵測到內部錯誤。

解決方式：確定充電電池已完整插入且電源線已正確連接至充電器。拔起電源插頭，然後再插入。若錯誤再次出現，請讓電池充電器送交授權的 **Bosch** 電動工具客戶服務中心進行檢查。

原因：充電電池未正確插入

排除方式：將充電電池正確地插入電池充電器內。

原因：充電電池和充電觸點受污

排除方式：拔起電源插頭，清潔充電電池和充電觸點（乾燥）。

原因：充電電池損壞

排除方式：請更換充電電池。



充電電池不充電，且指示器 (2) 亮起紅色。

原因：充電電池溫度超出許可充電溫度範圍

排除方式：等待直到充電電池溫度重新回到許可充電溫度範圍 (0–45 °C) 內。

指示器不亮

無指示器亮起，充電電池不充電。

原因：插座、電線或電池充電器損壞

排除方式：請確認充電器已連接到適當且正常運作的插座上。若錯誤再次出現，必要時請讓電池充電器送交授權的客戶服務中心進行檢查。

原因：電池充電器的電源插頭未（正確）插入。

排除方式：將插頭（完全）插入插座。

維修和服務

維修和清潔

如果必須更換連接線，請務必交由 **Bosch** 或者經授權的 **Bosch** 電動工具顧客服務執行，以避免危害機器的安全性能。

顧客服務處和顧客諮詢中心

台灣進口商

電話: (02) 7734 2588

製造商地址:

Robert Bosch Power Tools GmbH

羅伯特· 博世電動工具有限公司

70538 Stuttgart / GERMANY

70538 斯圖加特/ 德國

當您需要諮詢或訂購備用零件時，請務必提供本產品型號銘牌上 10 位數的產品機號。

廢棄物處理

必須以符合環保的方式，回收再利用損壞的充電器、配件和廢棄的包裝材料。



不可以把充電器丟入一般的家庭垃圾中！

設備名稱：電池充電器，型號：GAL 18V-40

限用物質及其化學符號

單元	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
電容器	○	○	○	○	○	○
電源線	-	○	○	○	○	○
外殼(塑料)	○	○	○	○	○	○
電路板	-	○	-	○	○	○

備考 1. "超出 0.1 wt %" 及 "超出 0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準值。

備考 2. "○" 係指該項限用物質之百分比含量未超出百分比含量基準值。

備考 3. "-" 係指該項限用物質為排除項目。

Legal Information and Licenses

1. Open Source Components

1.1 Name: GD32E23x Firmware Library

Version : 1.2.0

License : BSD-3-Clause

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1.2 Name: ARM_CMSIS_5

Version: 5.7.0

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Version 2.0, January 2004

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