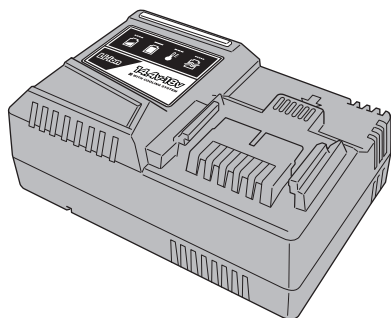
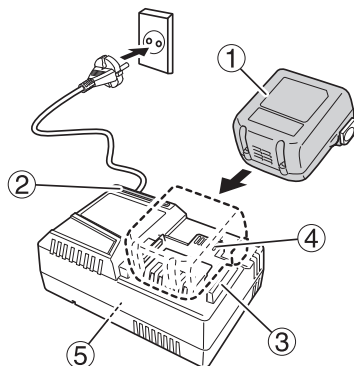


## UC18YSL3



en Handling instructions

zh 使用說明書



	English	中國語
①	Rechargeable battery	充電式電池
②	Charge indicator lamp	充電信號燈
③	Guide rail	導軌
④	Ventilation holes	散熱孔
⑤	Name plate	銘牌

## GENERAL OPERATIONAL PRECAUTIONS

1. Keep work area clean. Cluttered areas and benches invite accidents.
2. Avoid dangerous environment. Don't expose power tools and charger to rain. Don't use power tools and charger in damp or wet locations. And keep work area well lit.  
Never use power tools and charger near flammable or explosive materials.  
Do not use tool and charger in presence of flammable liquids or gases.
3. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.  
Children should be supervised to ensure that they do not play with the appliance.
4. Store idle tools and charger. When not in use, tools and charger should be stored in dry, high or locked-up place — out of reach of children. Store tools and charger in a place in which the temperature is less than 40°C.
5. Don't abuse cord. Never carry charger by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
6. When the charger is not in use or when being maintained and inspected, disconnect the power cord of the charger from the receptacle.
7. To avoid danger, always use only the specified charger.
8. Use only genuine HiKOKI replacement parts.
9. Do not use power tools and charger for applications other than those specified in the Handling Instructions.
10. To avoid personal injury, use only the accessories or attachment recommended in these handling instructions or in the HiKOKI catalog.
11. If the supply cord is damaged, it must be replaced by the manufacture or its service agent or a similarly qualified person in order to avoid a hazard.  
Let only the authorized service center do the repairing. The Manufacture will not be responsible for any damages or injuries caused by repair by the unauthorized persons or by mishandling of the tool.
12. To ensure the designed operational integrity of power tools and charger, do not remove installed covers or screws.
13. Always use the charger at the voltage specified on the nameplate.
14. Always charge the battery before use.
15. Never use a battery other than that specified. Do not connect a usual dry cell, a rechargeable battery other than that specified or a car battery to the power tool.
16. Do not use a transformer containing a booster.
17. Do not charge the battery from DC power supply.
18. Always charge indoors. Because the charger and battery heat slightly during charging, charge the battery in a place not exposed to direct sunlight; where the humidity is low and the ventilation is good.
19. Use the exploded assembly drawing on this handling instructions only for authorized servicing.



## PRECAUTIONS FOR CHARGER

1. Always charge the battery at an ambient temperature of -10~40°C. A temperature of less than -10°C will result in over charging which is dangerous. The battery cannot be charged at a temperature greater than 40°C.  
The most suitable temperature for charging is that of 20~25°C.
2. Do not use the charger continuously.  
When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
3. Do not allow foreign matter to enter the hole for connecting the rechargeable battery.
4. Never disassemble the rechargeable battery or charger.
5. Never short-circuit the rechargeable battery.  
Short-circuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.
6. Do not dispose of the battery in fire.  
If the battery is burnt, it may explode.
7. Using an exhausted battery will damage the charger.
8. Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.
9. Do not insert objects into the air ventilation slots of the charger.  
Inserting metal objects or flammable into the charger air ventilation slots will result in an electrical shock hazard or damage to the charger.

## SYMBOLS

### WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

	Read all safety warnings and all instructions.
	For indoor use

## SPECIFICATION

Model	UC18YSL3
Charging voltage	14.4 V – 18 V
Weight	0.6 kg

## APPLICATION

For charging the HiKOKI BATTERY BSL14, BSL18 series.

English

CHARGING

Before using the power tool, charge the battery as follows.

1. **Connect the charger's power cord to the receptacle.**  
When connecting the plug of the charger to a receptacle, the charge indicator lamp will blink in red (At 1-second intervals).
2. **Insert the battery into the charger.**  
Firmly insert the battery into the charger as shown in Fig. 1.

3. **Charging**  
When inserting a battery in the charger, the charge indicator lamp will blink in blue.  
When the battery becomes fully recharged, the charge indicator lamp will light up in green. (See Table 1)
- (1) **Charge indicator lamp indication**  
The indications of the charge indicator lamp will be as shown in Table 1, according to the condition of the charger or the rechargeable battery.

Table 1

Indications of the charge indicator lamp				
Charge indicator lamp (RED / BLUE / GREEN / PURPLE)	Before charging	Blinks (RED)	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)	Plugged into power source
	While charging	Blinks (BLUE)	Lights for 0.5 seconds. Does not light for 1 second. (off for 1 second)	Battery capacity at less than 50%
		Blinks (BLUE)	Lights for 1 second. Does not light for 0.5 seconds. (off for 0.5 seconds)	Battery capacity at less than 80%
		Lights (BLUE)	Lights continuously	Battery capacity at more than 80%
	Charging complete	Lights (GREEN)	Lights continuously (Continuous buzzer sound: about 6 seconds)	
	Overheat standby	Blinks (RED)	Lights for 0.3 seconds. Does not light for 0.3 seconds. (off for 0.3 seconds)	Battery overheated. Unable to charge. (Charging will commence when battery cools)
	Charging impossible	Flickers (PURPLE)	Lights for 0.1 seconds. Does not light for 0.1 seconds. (Intermittent buzzer sound: about 2 seconds)	Malfunction in the battery or the charger

- (2) Regarding the temperatures and charging time of the rechargeable battery  
The temperatures and charging time will become as shown in Table 2.

Table 2

Charger		UC18YSL3	
Battery			
Charging voltage	V	14.4	18
Type of battery		Li-ion	
Temperatures at which the battery can be recharged		-10°C – 50°C	
Charging time for battery capacity, approx. (At 20°C)			
1.3 Ah	min.	15 (4 cells)	15 (5 cells)
1.5 Ah	min.	15 (4 cells)	15 (5 cells)
2.0 Ah	min.	20 (4 cells)	20 (5 cells)
2.5 Ah	min.	25 (4 cells)	25 (5 cells)
3.0 Ah	min.	30 (4 cells)/20 (8 cells)	30 (5 cells)/20 (10 cells)
4.0 Ah	min.	26 (8 cells)	26 (10 cells)
5.0 Ah	min.	32 (8 cells)	32 (10 cells)
6.0 Ah	min.	38 (8 cells)	38 (10 cells)
8.0 Ah	min.	–	52 (10 cells)

- NOTE**  
The recharging time may vary according to the ambient temperature and power source voltage.
4. **Disconnect the charger's power cord from the receptacle.**

5. **Hold the charger firmly and pull out the battery.**
- NOTE**  
Be sure to pull out the battery from the charger after use, and then keep it.

### Regarding electric discharge in case of new batteries, etc.

As the internal chemical substance of new batteries and batteries that have not been used for an extended period is not activated, the electric discharge might be low when using them the first and second time. This is a temporary phenomenon, and normal time required for recharging will be restored by recharging the batteries 2 – 3 times.

### How to make the batteries perform longer.

- (1) Recharge the batteries before they become completely exhausted.  
When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.
- (2) Avoid recharging at high temperatures.  
A rechargeable battery will be hot immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

### CAUTION

- If the battery is charged while it is heated because it has been left for a long time in a location subject to direct sunlight or because the battery has just been used, the charge indicator lamp of the charger lights for 0.3 seconds, does not light for 0.3 seconds (off for 0.3 seconds). In such a case, first let the battery cool, then start charging.
- When the charge indicator lamp flickers (at 0.2-second intervals), check for and take out any foreign objects in the charger's battery connector. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your authorized Service Center.
- Since the built-in micro computer takes about 3 seconds to confirm that the battery being charged with UC18YSL3 is taken out, wait for a minimum of 3 seconds before reinserting it to continue charging. If the battery is reinserted within 3 seconds, the battery may not be properly charged.

## MAINTENANCE AND INSPECTION

### 1. Inspecting the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

### 2. Cleaning of the charger

When the charger is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, for they melt plastics.

### 3. Store idle charger

When not in use, the charger should be stored in dry, high or locked-up place — out of reach of children.

### CAUTION

In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

### NOTE

Due to HiKOKI's continuing program of research and development, the specifications herein are subject to change without prior notice.

一般操作注意事項



- 1. 保持工作場所清潔。雜亂無章的工作區域易發生意外。
- 2. 避免危險的環境。請勿讓電動工具與充電器淋到雨，不可在潮濕場所使用電動工具和充電器。工作區域要保持明亮。切勿在易燃或爆炸性物質附近使用電動工具和充電器。不可在存放易燃液體或氣體的地方使用電動工具和充電器。
- 3. 體弱、感官能力欠佳或精神耗弱者（包括兒童），或缺乏經驗和知識者不適宜使用此電動工具，除非他們是在負責他們安全的人員監督下或有關使用該設備的指示下使用。  
應監督兒童勿使其玩耍電動工具。
- 4. 存放不使用的電動工具和充電器。不使用時，電動工具和充電器應存放在乾燥的高處或加鎖保管的場所—兒童接觸不到的地方。請將電動工具和充電器存放在溫度低於 40℃ 的地方。
- 5. 勿濫用電源線。絕勿使用電源線搬運充電器或將電源線從插座中使勁拔出。不可讓電源線受熱、沾油、及碰到銳利的棱角。
- 6. 充電器不使用時或維修檢查時，務必請將充電器的電源線從插座拔出。
- 7. 請勿使用未經指定的充電器以免發生危險。
- 8. 只能使用 HiKOKI 指定的正廠更換零件。
- 9. 不得使用電動工具和充電器去進行使用說明書規定以外的作業。
- 10. 為了避免人體受傷，只能使用本說明書或 HiKOKI 牌產品目錄中所推薦的附件或配件。
- 11. 如果電源線損壞，必須由廠商或其維修代理店或具有同等資格的技術人員更換，以避免發生危險。只能請經過授權的服務中心修理本工具。對於經由未授權者的修理或因錯誤使用本工具而造成的損失或人體傷害，廠商概不負責。
- 12. 為了確保設計的完整性，電動工具和充電器的蓋罩和螺釘類不可任意拆除。
- 13. 務必在銘牌上規定的電壓下使用充電器。
- 14. 使用前請務必將電池充電。
- 15. 請勿使用規定種類以外的電池。請勿將未經指定的一般乾電池、充電式電池或汽車蓄電池連接於電動工具上。
- 16. 請勿使用含有昇壓器的變壓器。
- 17. 請勿從直流電源進行電池的充電。
- 18. 務請在室內進行充電。充電過程中，充電器和電池會稍微變熱，因此，不要在陽光直射處充電，而應在濕度低、通風良好的陰涼處進行充電。
- 19. 進行授權服務時，請使用本說明書中的組裝分解圖。

使用充電器的注意事項

- 1. 務必在 -10 ~ 40℃ 的溫度環境下進行充電。溫度低於 -10℃ 會導致充電過度，非常危險。電池不能在高於 40℃ 的溫度下充電。  
最適合充電的溫度是 20 ~ 25℃ 之間。
- 2. 請勿連續使用充電器。  
完成一次充電後，請將充電器擱置大約 15 分鐘，然後再進行下一次充電。
- 3. 勿讓雜質進入充電池連接口內。
- 4. 切勿拆卸充電式電池或充電器。
- 5. 切勿使充電式電池短路。造成過大電流和過熱，從而燒壞電池。
- 6. 請勿將電池丟入火中。  
燃燒電池將引起爆炸。
- 7. 請勿使用耗竭電力的電池，否則將會損壞充電器。
- 8. 充電後電池壽命若太短不夠使用，請儘快將電池送往經銷店。不可將用過的電池丟棄。
- 9. 請勿將異物插入充電器的通風口。  
若將金屬異物或易燃物插入充電器的通風口，將引起觸電事故或使充電器受損。

符號

警告  
以下為使用於本機器的符號。請確保您在使用前明白其意義。

	閱讀所有安全警告和說明。
	僅用於室內

規格

型式	UC18YSL3
充電電壓	14.4 V — 18 V
重量	0.6 kg

用途

HiKOKI 電池類型 BSL14、BSL18 系列充電用。

充 電

使用電動工具之前，按下述方法將電池進行充電。

- 1. 將充電器的電源線連接到插座。  
當充電器的插頭連接到插座時，充電信號燈會閃爍紅燈（間隔為 1 秒）。
- 2. 將電池裝入充電器。  
將電池牢固地裝入充電器，如圖 1 所示。








3. 充電

當電池插入充電器時，充電信號燈會閃爍藍燈。  
當電池完全充電時，充電信號燈會亮起綠燈。（見表 1）

(1) 充電信號燈指示

依據充電器或充電電池的狀態，充電信號燈會有不同的指示，如表 1 所示。

表 1

充電信號燈的指示				
充電信號燈 (紅 / 藍 / 綠 / 紫)	充電前	閃爍 (紅)	亮起 0.5 秒，熄滅 0.5 秒。(熄滅間 0.5 秒) 	插入電源
	充電時	閃爍 (藍)	亮起 0.5 秒，熄滅 1 秒。(熄滅間 1 秒) 	電池容量少於 50%
		閃爍 (藍)	亮起 1 秒，熄滅 0.5 秒。(熄滅間 0.5 秒) 	電池容量少於 80%
		亮起 (藍)	持續亮起 	電池容量超過 80%
	充電完成	亮起 (綠)	持續亮起 (連續的蜂鳴聲：約 6 秒) 	
	過熱待機	閃爍 (紅)	亮起 0.3 秒，熄滅 0.3 秒。(熄滅間 0.3 秒) 	電池過熱。 無法充電。 (待電池降溫後便會開始充電)
	無法充電	快速閃爍 (紫)	亮起 0.1 秒，熄滅 0.1 秒。(熄滅間 0.1 秒)  (間歇的蜂鳴聲：約 2 秒)	電池或充電器故障

- (2) 關於充電電池的溫度和充電時間  
溫度和充電時間如表 2 中所示。

表 2

電池 \ 充電器		UC18YSL3	
充電電壓	V	14.4	18
電池類型		Li-ion	
電池可充電的溫度		-10°C - 50°C	
依電池容量的大約充電時間 (於20°C 時)			
1.3 Ah	分	15 (4 節電池)	15 (5 節電池)
1.5 Ah	分	15 (4 節電池)	15 (5 節電池)
2.0 Ah	分	20 (4 節電池)	20 (5 節電池)
2.5 Ah	分	25 (4 節電池)	25 (5 節電池)
3.0 Ah	分	30 (4 節電池)/20 (8 節電池)	30 (5 節電池)/20 (10 節電池)
4.0 Ah	分	26 (8 節電池)	26 (10 節電池)
5.0 Ah	分	32 (8 節電池)	32 (10 節電池)
6.0 Ah	分	38 (8 節電池)	38 (10 節電池)
8.0 Ah	分	-	52 (10 節電池)

### 註：

根據環境溫度和電源電壓，充電時間可能會有所不同。

### 4. 將充電器的電源線從插座拔下。

### 5. 拿穩充電器並取出電池。

### 註：

充電結束後，務必從充電器取出電池，然後妥善存放。

### 注意

在操作和維修電動工具中，必須遵守各國的安全規則和標準規定。

### 註

為求改進，本手冊所載規格可能不預先通告而徑予更改。

### 使用新電池或其他電池，產生電量較弱的問題時

由於新電池及長時間未使用之電池的內部化學物質未活化，因此初次及第二次使用時的電量會較弱。此為暫時現象；在充電 2 至 3 次後，電量就會恢復正常。

### 怎樣讓電池使用時間更長

#### (1) 在電池電量完全耗盡之前給電池充電。

在感覺工具的動力變弱時，停止使用工具並為電池充電。如果繼續使用工具消耗電流，可能會造成對電池的損壞，電池使用壽命會縮短。

#### (2) 避免在高溫下充電

充電電池在剛使用後會發熱。如果在電池剛使用後為電池充電，電池的內部化學物質的性能會下降，電池使用壽命會縮短。請先將電池放置一會兒，待電池冷卻後再進行充電。

### 注意

- 電池因長時間放置在直射陽光處遭到日曬或剛使用後會發熱，若在此時進行充電，充電器的信號燈會亮起 0.3 秒，非亮起 0.3 秒（熄滅 0.3 秒）。此時您必須先待電池冷卻，再進行充電。
- 充電信號燈快速閃爍時（間隔時間為 0.2 秒），請檢查充電器的電池連接處是否有異物並加以清除。若沒有異物，則表示電池或充電器可能發生故障，請將其送往當地授權服務中心。
- 由於 UC18YSL3 內置微電腦需要約 3 秒的時間確認進行充電的電池已被取出，請等待至少 3 秒後再將電池重新插入繼續充電。如果電池在 3 秒之內重新插入，電池可能無法正常充電。

## 維修和檢查

### 1. 檢查安裝螺釘

要經常檢查安裝螺釘是否妥善緊固。若發現螺釘鬆了，應立即重新扭緊，否則會導致嚴重的事故。

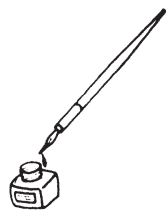
### 2. 清潔充電器

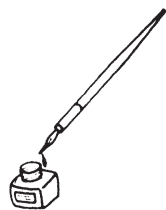
充電器髒汙時，請使用乾的軟布或沾肥皂水的布擦拭。切勿使用氯溶液、汽油或稀釋劑，以免塑膠部分溶化。

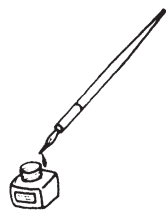
### 3. 存放不使用的充電器

不使用時，充電器應存放在乾燥的高處或加鎖保管的場所－兒童接觸不到的地方。









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