

<b>2I-20LI</b>	<b>2I-30LI-HC</b>	<b>JCB-20LI</b>
<b>2I-30LI</b>	<b>2I-40LI-HC</b>	<b>JCB-30LI</b>
<b>2I-40LI</b>	<b>2I-60LI-HC</b>	<b>JCB-40LI</b>
<b>2I-50LI</b>	<b>2I-80LI-HC</b>	<b>JCB-50LI</b>

Original Instructions

# GENERAL WARNINGS & DISPOSAL



To reduce the risk of injury, the user must read the instruction manual.



This symbol is used throughout this manual to warn the user about potential risks. Please read & understand these sections before using the device.



The device must not be exposed to rain or immersed in water.



Do not allow any part of the device to come into contact with flames, or to catch fire.



Do not expose battery pack or tool to fire or excessive temperatures above 130°C.



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Do not dispose of batteries in household waste. Return exhausted batteries to a local collection or recycling point.



This product has been marked with a symbol relating to removing electric and electronic waste. The product should not be discarded with household waste but must be returned to a collection system which conforms to the EU Directive 2012/19/EU or UK Waste Electrical and Electronic Equipment Regulations 2013. It will then be recycled or dismantled in order to reduce the impact on the environment. Electric and electronic equipment can be hazardous for the environment and for human health since they contain hazardous substances.

The month and year of manufacture can be found within the product serial number e.g. MMYPPPA XXXXX. Where production month (MM) and production year (YY) are included.

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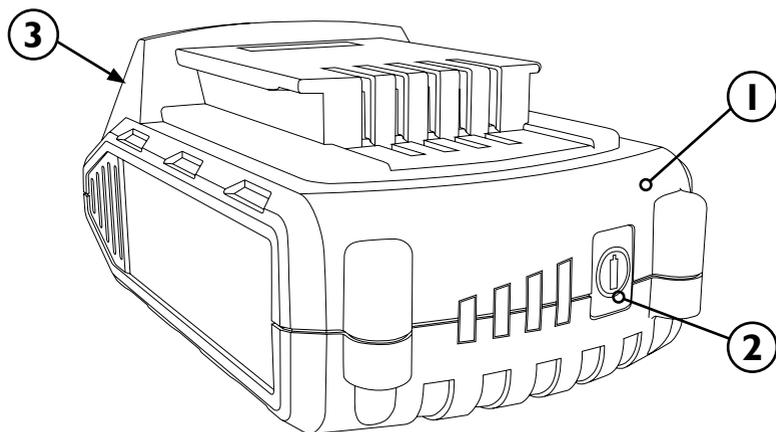
# BATTERY SAFETY

## **WARNING!**

**Read all safety warnings, instructions and specifications provided with this battery.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. **Save all warnings and instructions for future reference.**

- > **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- > **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- > **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- > **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- > **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- > **Do not expose battery pack or tool to fire or excessive temperature.** Exposure to fire or temperatures above 130°C may cause explosion.
- > **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.
- > **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure the safety of the power tool is maintained.
- > **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorised service providers.

# COMPONENT LIST



Battery size shown for illustrative purposes only

1. BATTERY PACK - PLEASE REFER TO TABLE BELOW FOR BATTERY INFORMATION
2. BATTERY TEST BUTTON AND CHARGE INDICATOR
3. BATTERY RELEASE BUTTON

## LITHIUM ION BATTERY TECHNICAL DATA

Battery Code	Battery Size	Number of cells	Voltage	Battery Capacity	Charge Time (Fast Charger)	Charge Time (Super Fast Charger)	Charge Time (Dual Charger)
21-20LI	Small	5	18V	2.0Ah	45 mins	30 mins	35 mins
21-30LI	Large	10	18V	3.0Ah	65 mins	40 mins	45 mins
21-40LI	Large	10	18V	4.0Ah	90 mins	55 mins	60 mins
21-50LI	Large	10	18V	5.0Ah	110 mins	65 mins	75 mins
21-30LI-HC	Small	5	18V	3.0Ah	65 mins	45 mins	55 mins
21-40LI-HC	Small	5	18V	4.0Ah	100 mins	60 mins	70 mins
21-60LI-HC	Large	10	18V	6.0Ah	150 mins	90 mins	105 mins
21-80LI-HC	Large	10	18V	8.0Ah	200 mins	120 mins	140 mins

**Times given as a guide only. Battery charge and discharge times dependant on age, usage and condition.**



# OPERATING INSTRUCTIONS

## Intended Use

This lithium-ion battery pack is intended for use only with a compatible JCB 18V power tool & charger.

The component must not be modified or used for any other purposes than the ones described in these instructions.

## Battery

### NOTE

Check the power tool switch is not operated during insertion or removal of the battery pack.

- **Do not force the battery when connecting it, use moderate pressure.** An incorrectly connected battery can damage the battery terminals or the battery socket on the tool.
- Use the button on the battery to check the charging status; 4 red LEDs indicates fully charged, where 1 indicates low battery status.

## Charging The Battery

### WARNING!

After charging for the first time, ensure the battery is completely discharged before placing on charge again. Repeat this charging and discharging cycle 4 to 5 times to ensure battery is correctly conditioned.

- Place the battery charger on a level and stable surface.
- Connect the battery to the charger so that it clicks into place.
- Plug the charger into a suitable power supply. Note: ensure the rated voltage on the charger rating label matches the power supply voltage.

- Refer to the Battery Charge Level table below for battery charger status as indicated by LED lights.
- Unplug the charger from the power point and remove the battery from the charger.

## Battery Charge Level

Red LED	Green LED	Battery Charge Status
		Charger is connected to mains power
		Connected battery is charging
		Connected battery is fully charged
		Connected battery has a charging fault
		Charger is outside correct operating temperature range (<0°C / >40°C)

If the LEDs on the charger do not come on when charging:

- Check that the battery charger plug is connected properly to the power supply and the supply is switched on.
- Check that the battery is correctly inserted in the charger.

## Connecting the battery to the power tool

- Connect the battery to the battery socket on the tool so that it clicks into place.

## Removing the battery pack from the power tool

- Press the battery release button and remove the battery from the tool.

## Maintenance

### **WARNING!**

Remove the battery pack from the tool or charger before cleaning and maintenance. This helps avoid the risk of electric shocks and accidental injury.

- Wipe the battery pack with a dry or damp cloth. **Do not use a wet cloth. Do not use detergent that contains solvent or corrosive, abrasive additives.** This risks damaging the surfaces of the battery pack.
- Clear the battery connection terminals and the release button of dust and dirt after each use. **Do not clean terminals by inserting sharp objects in them, such as screwdrivers and other similar objects.**
- Stubborn contamination in areas hard to access can be removed with compressed air (max 3. bar).
- Regularly check all fasteners, screws and bolts to make sure that they are tight. Tighten any loose screws immediately or serious injury could occur.
- Store the battery pack in a dry, frost-free, well ventilated place with a temperature of no more than 40°C.
- Keep all battery packs out of the reach of children.
- Always remove the battery from any tools before transport.
- Ensure that the battery pack is not at risk of being exposed to excessive vibration and shocks during transport, especially if the battery pack will be transported by car or other vehicle.

### **WARNING!**

Never open the battery pack. The battery pack has no internal parts that the user can service or repair. Never try to repair the battery pack yourself. Take to an authorised service centre.

## Transport and Storage

- If the battery pack will remain unused for any length of time, it should be stored in the original packaging, or in a compatible JCB power tool storage insert.



**JCB Power Tools are guaranteed against manufacturing defects for up to 3 years from date of purchase by simply registering your product online within 30 days. Proof of purchase required. This does not affect your statutory rights.**

**To register your JCB Power Tool, please visit: [jcb-tools.com](http://jcb-tools.com)**

Online registration is required within 30 days to receive a warranty certificate to activate your standard 3 year warranty. Registration is only available online via [www.jcb-tools.com](http://www.jcb-tools.com). You will need your original sales receipt, the model number and the serial number (if applicable) of your product. Kits comprising of two or more tools are excluded from single registration and must be registered individually for full warranty cover.

Upon successful registration, a warranty certificate will be available to download, print or save as a PDF document. The relevant warranty certificate together with the original sales receipt will be required in the event of any claim within the warranty period.

Should you choose not to register your product within 30 days of purchase, your statutory consumer rights will not be affected. You will need the original sales receipt as proof of purchase in the event of a warranty claim.

Warranty cover commences from the date of purchase on the retail sales receipt and is valid only for JCB Tools products purchased within the UK bearing the CE and UKCA mark and a visible serial number.

In the unlikely event your JCB Power Tool is subject to a manufacturing fault within the warranty period, JCB Tools may repair the product by replacing defective parts free of charge at our discretion. In the event parts are irreplaceable JCB Tools may replace your product free of charge. The original product will remain the property of JCB Tools in this situation.

**The above repair or replacement of products will be undertaken providing that:**

- The product has been subject to fair wear and tear only.
- The product has not been subject to accidental or cosmetic damage.

- The product has not been misused and has been used only in accordance with the instruction manual provided.
- The product has not been subject to overload or insufficient servicing and maintenance.
- The product has not been subject to any abnormal environmental conditions or inappropriate operating conditions.
- Repairs have not been attempted by an unauthorised person and no modifications have been made to the product.
- Repairs have not been undertaken using non-genuine spare parts.

JCB Power Tools used for Hire Fleets or as part of B2B and Service Contracts are not covered by these terms and conditions.

**JCB Tools 3 Year Warranty excludes the following (where applicable):**

- Components normally subject to wear such as carbon brushes.
- Accessories and consumable items.

If your product develops a fault within 30 days of purchase, return it to the retailer where it was purchased together with your sales receipt. If a product develops a fault after 30 days a warranty claim must be submitted.

If you have a warranty claim please take your product, original sales receipt and if applicable, a copy of your extended warranty certificate to your place of purchase or nearest JCB Tools retailer.

If you wish to send your product to us directly, please send to JCB Tools, Unit 55, Romsey Industrial Estate, Greatbridge Road, Romsey, Hampshire, SO51 0HR, along with your original receipt and, if applicable, a copy of your extended warranty certificate. Delivery and repair charges may apply at our discretion should the warranty claim be invalid for any of the reasons illustrated above. In the event charges are not accepted the product will be retained by JCB Tools and remain the property of JCB Tools.

The information on both your sales receipt and your extended warranty certificate must match.

**JCB TOOLS WILL NOT BE LIABLE FOR ANY INJURIES OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OF THIS PRODUCT.**



EU DECLARATION OF CONFORMITY				UK DECLARATION OF CONFORMITY
1.	<b>PRODUCT(S) COVERED BY THIS DECLARATION:</b>	Product: UK Product Code No. EU Product Code No. Factory Reference No.	JCB 18V Lithium-Ion 'E-TECH' High Capacity Battery Pack, Cell Type: HC 21700 21-30LI-HC (3.0Ah), 21-40LI-HC (4.0Ah), 21-60LI (6.0Ah), 21-80LI (8.0Ah) 21-30LI-HC-E (3.0Ah), 21-40LI-HC-E (4.0Ah), 21-60LI-HC-E (6.0Ah), 21-80LI-HC-E (8.0Ah) PLBP-018A 06, PLBP-018A-2P 06, PLBP-018A 06 18V, PLBP-018A-2P 06 18V	Batch/Purchase Order No.
2.	<b>IDENTIFICATION DETAILS OF MANUFACTURER:</b>	Name: Address: Country:	Yellow and Black Tools Ltd. (T/A: JCB Tools) Unit 55 Romsey Industrial Estate, Greatbridge Road Romsey, Hampshire SO51 0HR UK	
	<b>AUTHORISED REPRESENTATIVE:</b>	Name: Address: Country:	Authorised Representative Service 77 Camden Street Lower Dublin D02 XE80 Ireland	
3. <b>THIS DECLARATION OF CONFORMITY IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER</b>				
4.	<b>OBJECT OF THE DECLARATION:</b>	Product: Function:	18V Lithium-Ion 'E-TECH' High Capacity Battery Pack, Cell Type HC 21700, Capacities: 3.0Ah, 4.0Ah, 6.0Ah, 8.0Ah. Power supply for JCB Cordless Power Tools	
5i.	<b>THE OBJECT OF THE DECLARATION DESCRIBED IN POINT 4 IS IN CONFORMITY WITH THE RELEVANT UNION HARMONISATION LEGISLATION:</b>	2006/42/EC	The Machinery Directive	
		2006/66/EC (plus amendment 2013/56/EU)	The Battery Directive	
		2014/35/EU	The Low Voltage Directive	
5ii.	<b>THE OBJECT OF THE DECLARATION DESCRIBED IN POINT 4 IS IN CONFORMITY WITH THE RELEVANT UK STATUTORY INSTRUMENTS:</b>	2008 No. 1597	The Supply of Machinery (Safety) Regulations 2008	
		2009 No. 890	The Waste Batteries and Accumulators Regulations 2009	
		2016 No. 1101	The Electrical Equipment (Safety) Regulations 2016	
6.	<b>REFERENCES TO THE RELEVANT HARMONISED SAFETY STANDARDS USED OR REFERENCES TO THE OTHER TECHNICAL SPECIFICATIONS IN RELATION TO WHICH CONFORMITY IS DECLARED:</b>	EN 55014-1:2017+A11 EN 55014-2:2015 IEC 62133-2:2017+A1 UN 38.3, issue: ST/SG/AC.10/11/Rev.7	Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus - Emission. Electromagnetic compatibility. Requirements for household appliances, electric tools and similar apparatus - Immunity. Secondary cells and batteries containing alkaline or other non-acid electrolytes. Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Lithium systems. Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria.	
7.	<b>ADDITIONAL INFORMATION. THE TECHNICAL DOCUMENTATION FOR THE MACHINERY IS AVAILABLE FROM:</b>	Name: Address: Country:	Authorised Representative Service 77 Camden Street Lower Dublin D02 XE80 Ireland	
<b>SIGNED FOR AND ON BEHALF OF:</b>		<b>YELLOW AND BLACK TOOLS LTD.</b>		
<b>PLACE OF ISSUE:</b>		<b>ROMSEY, UK.</b>		
<b>DATE OF ISSUE:</b>		<b>06/10/2021</b>		
<b>NAME:</b>		<b>TIM BURGOYNE</b>		
<b>FUNCTION:</b>		<b>QA MANAGER</b>		
<b>SIGNATURE:</b>				