

# **BOP20** & **BOP60** BATTERY OPERATED PUMP

## **BATTERY and CHARGER**

### **Owners Manual**

#### **INTRODUCTION**

**PLEASE READ THIS SAFETY INFORMATION CAREFULLY BEFORE USE.**

Read and retain this instruction manual to assist you in the operation of your new product.



Failure to follow all instructions listed below may result in electric shock, fire, serious injury and/or damage to the power tool. The term “power tool” in all of the warnings listed refers to your battery operated (cordless) power tool.



#### **WARNING**

Only use genuine Macnaught Battery and Charger on the Macnaught BOP20 battery operated pump.

Battery P/N - BPB-20AH

Charger P/N - BPC-A (Australia) / BPC-U (USA) / BPC-B (UK) / BPC-E (Europe)



#### **GENERAL SAFETY**

**DO NOT** operate power tools in explosive areas, e.g; close to flammable liquids, gases or dust.



#### **ELECTRICAL SAFETY**

- Never modify electrical connections.
- **DO NOT** expose or use battery or charger in rain or wet conditions.
- **DO NOT** use product if the product is damaged.
- **Only use “ORIGINAL” Macnaught replacement parts, battery or charger.**



#### **BATTERY and CHARGER SAFETY**

- **DO NOT** place any object on top of the charger or place the charger on an uneven surface.
- If “Charger” case is damaged **DO NOT** use - danger of electric shock or electrocution.
- Battery charger **MUST ONLY** be used for charging Macnaught rechargeable batteries.
- **DO NOT** operate charger if charger, power cord or plug is damaged - replace immediately.
- When removing charger from wall outlet, turn off power point, remove by pulling plug only (not cord).
- **DO NOT** disassemble charger or battery for any reason.
- **DO NOT** store or use the charger and battery pack in locations where the temperature may reach or exceed 40°C/104°F.



## BATTERY and CHARGER SAFETY CON'T

- **DO NOT** use charger on any other voltage than designated on the charger.
- Inspect charger and battery prior to use for any signs of damage, loose or missing parts. If equipment is worn or damaged, remove it from service (Replace if required).
- An extension cord should not be used unless absolutely necessary. If required only use an approved extension cord which would be suitable for this power tool.
- **DO NOT** use battery or charger if dropped, receives a sharp blow or is damaged in any way.
- Unplug charger when not in use. Remove battery from unplugged charger.
- Your charger is designed to operate on standard local electrical voltage. Refer to the table below for correct voltage. **DO NOT** attempt to use the charger on any other voltage.

Model	Input Voltage
MBC-US	100-120V
MBC-AU, MBC-EU, MBC-UK	200-240V

- **DO NOT** use battery or charger below 0° C or exceed 40° C ( If battery pack is either too hot or cold charging will cease until correct temperture is reached).
- **DO NOT** incinerate the battery (The battery can explode in a fire).
- **DO NOT** short circuit the battery. (Keep battery away from any metallic objects that may bridge the battery terminals).
- Only use a power source with the correct voltage as specified on the charger

	indicates charger is double insulated therefore no earth wire is required.
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Only applicable to EU - UK - AU

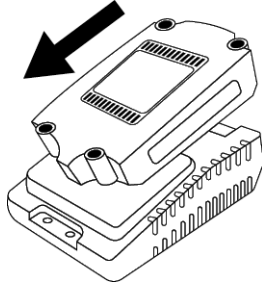
**Note:** Double insulation does not take the place of normal safety precautions when operating this tool.

- To reduce the risk of electrical shock, use of a residual current device (rated 30mA or less) is recommended
- **DO NOT** leave battery on prolonged charge when not in use.
- Under extreme conditions the battery could leak. If battery liquid comes in contact with the skin, wash in water for at least 10 minutes, then seek immediate medical attention.
- Make sure the battery pack snaps into place and the battery pack is secured in the charger before operation.
- The battery pack and charger will become slightly warm to touch while charging. This is normal.
- **DO NOT** place the battery pack or charger in extreme hot or cold.

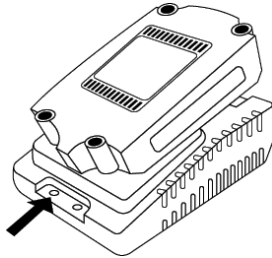
BATTERY SPECIFICATIONS	
Type	Li-ion
Capacity	2000mAh
Voltage	18.5V
Temperature	0 deg C - 45 deg C

## CHARGE BATTERY

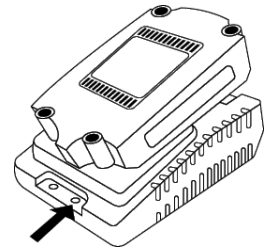
1) Insert battery



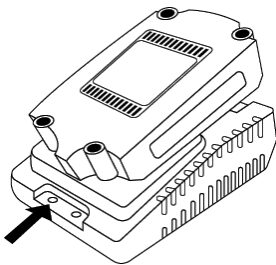
2) Power on  
(green light only)



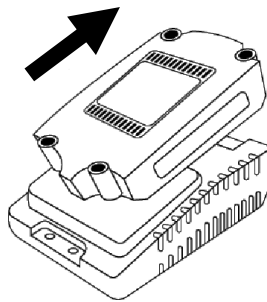
3) Battery charging  
(red light only)



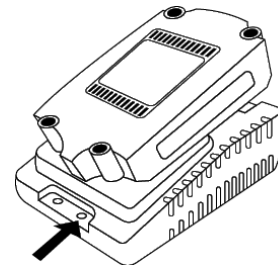
4) Battery charged  
(green light only)



5) Remove battery

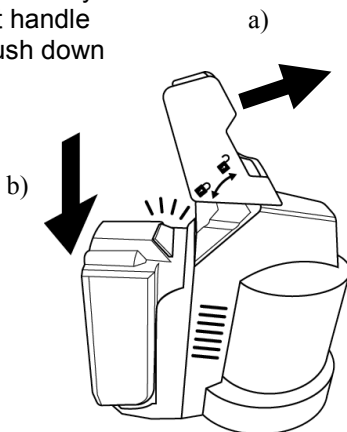


**Note:**  
Red light flashes indicates low battery voltage.  
(trickle charging prevents battery damage)

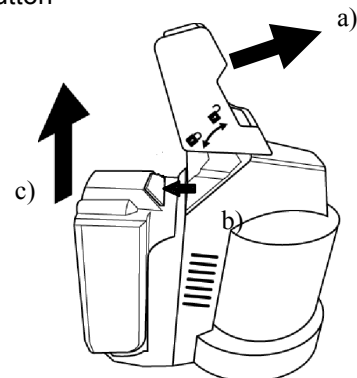


## INSERT / REMOVE BATTERY

1) Insert battery  
a) lift handle  
b) push down



2) Remove battery  
a) lift handle  
b) press button  
c) pull up



## BATTERY DISPOSAL

**NOTE:** Dispose of old batteries properly. The battery contains rechargeable Lithium-ion and must be recycled or disposed of properly. Please refer to the local authorities for the correct method of battery disposal.

**DO NOT** incinerate the battery pack. The battery can explode in a fire

**DO NOT** attempt to disassemble any battery.



## COMPLIANCE

### **MBC-US – US Battery Charger**

This battery charger has been tested & verified by ETL Intertek to meet OSHA required safety standard.



### **FCC: MBC-US battery charger only.**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver connected.
- Consult the dealer or an experienced radio/ TV technician for help.

**BATTERY**

 <b>macnaught</b>		
<b>EC Declaration of Conformity</b>		
<b>We:</b>	Macnaught Pty. Ltd.	<b>Of:</b> 41-49 Henderson Street, Turrella NSW 2205, Australia.
<b>Declare that:</b>	Li-Ion Battery MBP2000MAH	
<b>In accordance with:</b>	Electromagnetic Compatibility Directive	2014/30/EU
	Restriction of Hazardous Substance Directive	2011/65/EU as amended by 2015/863/EU
	Battery Directive	2006/66/EC as amended by 2013/56/EU
<b>have been designed and manufactured to the applicable harmonised standards below:</b>		
	EN62133-2: 2017	
	EN55032: 2015	
	EN55035: 2017	
<b>I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specification. The product complies with all essential requirements of the Directives.</b>		
<b>Signature</b>		
<b>Name:</b>	Marco Uccellani	<b>Position:</b> Engineering Manager
<b>Done at:</b>	41-49 Henderson Street, Turrella NSW 2205, Australia.	<b>Date:</b> 20/Mar/2019

**CHARGER**

		
<b>EC Declaration of Conformity</b>		
<b>We:</b>	Macnaught Pty. Ltd.	<b>Of:</b> 41-49 Henderson Street, Turrella NSW 2205, Australia.
<b>Declare that:</b>	Li-Ion Battery Charger MBC- <i>yz</i> (- <i>y</i> , - <i>z</i> : A-Z; i.e. AU = Australia, EU = Europe, US = USA) (Lower case <i>y</i> and <i>z</i> are used as variables to represent country specific models)	
<b>In accordance with:</b>	Low Voltage Directive	2014/35/EU
	Electromagnetic Compatibility Directive	2014/30/EU
	Restriction of Hazardous Substance Directive	2011/65/EU as amended by 2015/863/EU
	Waste Electrical and Electronic Equipment Directive	2012/19/EU
<b>have been designed and manufactured to the applicable harmonised standards below:</b>		
	EN60335-1: 2012+A11: 2014	
	EN60335-2-29: 2004+A2: 2010	
	EN62233: 2008	
	EN55014-1: 2006+A1:2009+A2:2011	
	EN55014-2: 2015	
	EN61000-3-2: 2014	
	EN61000-3-3: 2013	
<b>I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specification. The product complies with all essential requirements of the Directives.</b>		
<b>Signature</b>		
<b>Name:</b>	Marco Uccellani	<b>Position:</b> Engineering Manager
<b>Done at:</b>	41-49 Henderson Street, Turrella NSW 2205, Australia.	<b>Date:</b> 20/Mar/2019





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**Note:**

This product should be disposed of according to all applicable local and national government environment regulations and guidelines.



For Warranty Terms and Conditions see [macnaught.com.au](http://macnaught.com.au)  
For a list of Australian Service Centres see [macnaught.com.au](http://macnaught.com.au)