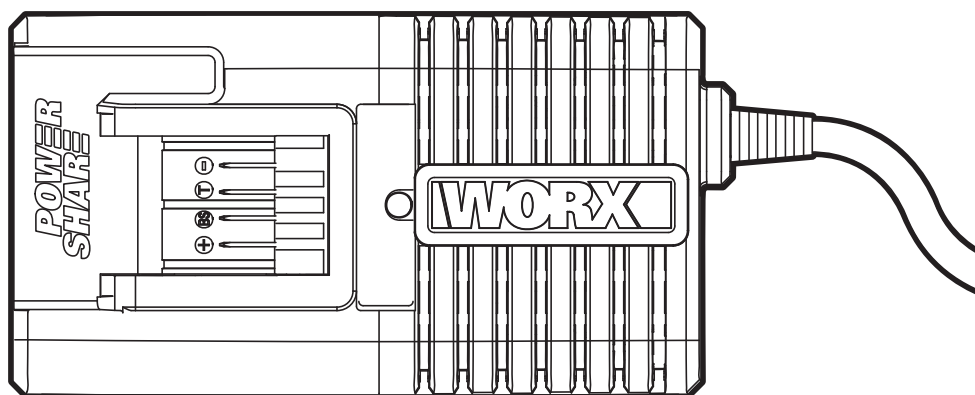


# WORX



## SAFETY AND OPERATING MANUAL

**Battery charger**

**WA3860**

# GENERAL SAFETY WARNINGS



**WARNING: Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

## Save all warnings and instructions for future reference.

- 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. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

# ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR BATTERY CHARGER

1. Before charging, read the instructions.
2. For charge Li-Ion battery pack only.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line. The battery charger is then to be connected to the supply mains.
5. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.
6. Do not charge a leaking battery.
7. Do not use chargers for works other than those for which they are designed.
8. Before charging, ensure your charger is matching the local AC supply.
9. The charging device must be protected from moisture.
10. Do not use the charging device in the open.
11. Do not short out the contacts of battery or charger.
12. Respect the polarity "+/-" when charging.
13. Do not open the unit and keep out of the reach of children.
14. Do not charge the batteries of other manufactures or ill-suited models .
15. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
16. Keep battery charger's slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
17. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
18. Do not recharge non-rechargeable batteries, as they can overheat and break.
19. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
20. Charge only battery pack of the same model provided by WORX and of models recommended by WORX.

# SYMBOLS



Read the operator's manual



For indoor use only



Double insulation



Fuse



Positive terminal



Negative terminal

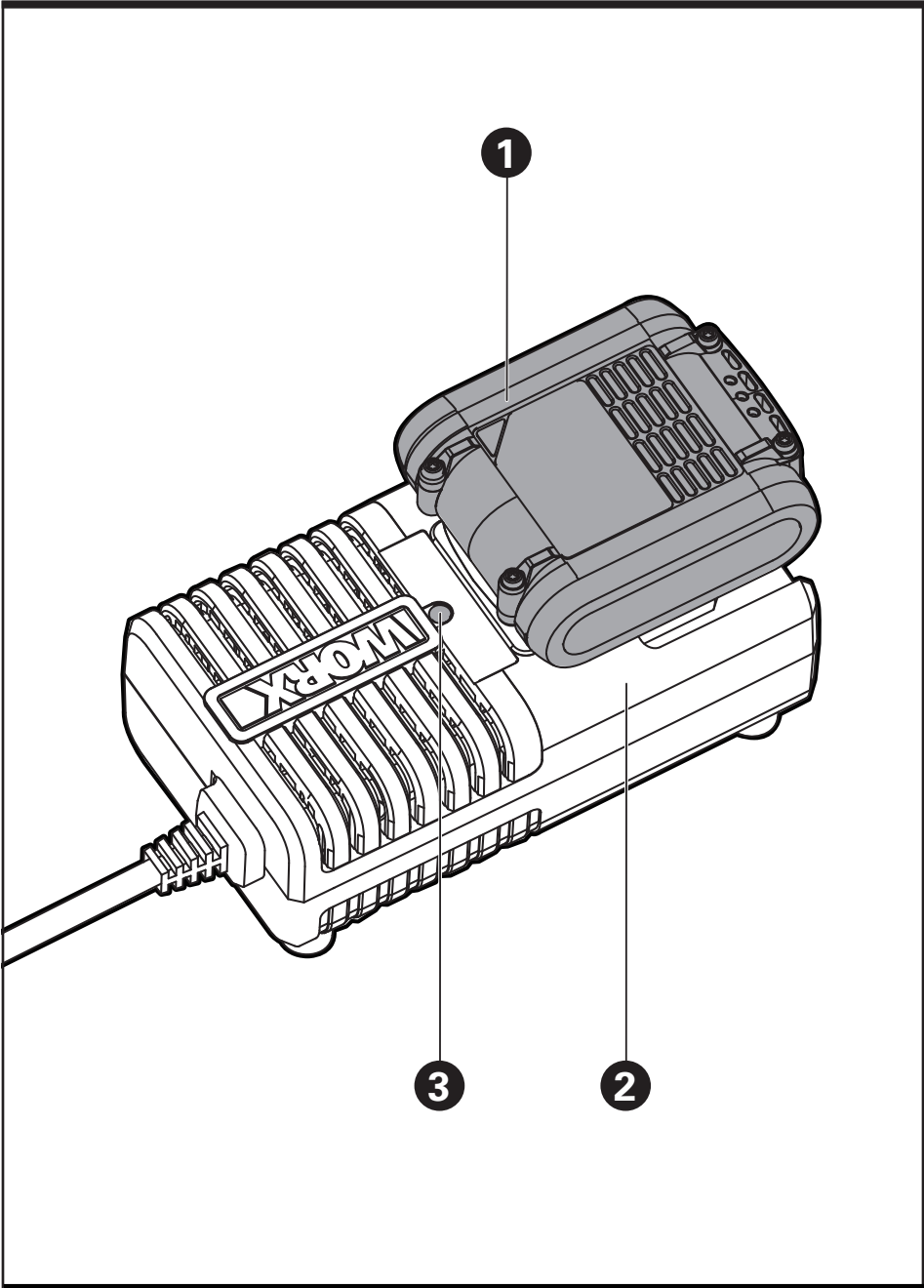


RCM marking

**ABN** : Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website

<http://abr.business.gov.au>.

ABN of Positec Australia Pty Limited is 14 101 682 357



**Battery charger**

**WA3860**

### 1. BATTERY PACK \*


### 2. CHARGER

### 3. CHARGE INDICATOR LIGHT

\* Not all the accessories illustrated or described are included in standard delivery.

We recommend that you purchase your accessories listed in the above list from the same store that sold you the battery charger. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

## TECHNICAL DATA

Rated input voltage	100-240V~50/60Hz	
Output voltage	14.4-20V ---	
Charging current	2A	
Rated input power	50W	
Number of cells	4/5/10	
Charging time (approx.)		
Battery pack	-- 1.3Ah	42min
	-- 1.5Ah	50min
	-- 2.0Ah	58min
	-- 3.0Ah	95 min
	-- 4.0Ah	125min
Protection class	 /I	
Machine weight	0.45kg	
Battery type	14.4 - 20V Li-Ion Battery	

For the technical data of the types, the number of cells and the rated capacity of the batteries that can be charged, please refer the nameplate of the battery pack supplied by WORX.

## CHARGING PROCEDURE



**NOTE:** Before using the tool, read the instruction book carefully.

### CHARGING INSTRUCTIONS

#### 1. CHARGING YOUR BATTERY PACK



**WARNING:** The charger and battery pack are specifically designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.

#### 2. BEFORE USING YOUR CORDLESS TOOL

Your battery pack is UNCHARGED and you must charge once before use.

#### 3. HOW TO CHARGE YOUR BATTERY CHARGING PROCEDURE



- 1) Plug the charger into an appropriate outlet.
- 2) Slide the battery pack into the charger, The LIGHT (3) will become green and flash to show charging has started.
- 3) After charging approx 1-2 hours, the light will stay green without flashing, which means the battery is full, and charging is completed.



**WARNING:** When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.







#### CHARGING INDICATOR

This charger is designed to detect some problems that can arise with battery packs. Indicator lights indicate problems (see table below). If this occurs, insert a new battery pack to determine if the charger is OK. If the new battery charges correctly, then the original pack is defective and should be returned to a service center or recycling service center. If the new battery pack displays the same problem as the original Battery Pack, have the charger tested at an authorized service center.

Light	ON/ Flash	Status
Red on 	————	Defective Battery
Red flash 	-----	Battery Temperature Protection The temperature of battery pack is less than 0°C or more than 45°C.

# Battery charger

# WA3860

Green on  		Fully Charged
Green flash  		Charging

### BATTERY TEMPERATURE PROTECTION

This charger has a battery temperature protection feature. When the charger detects a battery pack that is too hot or cold (the light will be red and flash), it automatically activates the protection circuit, and suspends charging until the battery pack has reached the correct temperature. The charging process will then automatically begin (the light will be green and flash). This feature ensures maximum battery life.

### LEAVING THE BATTERY PACK IN THE CHARGER

If a fully charged battery pack is left in the charger, the Light will remain green. The battery pack will remain charging with a maintenance trickle current.

### DEFECTIVE BATTERY PACKS

This charger will detect a defective battery pack. When a defective battery pack is inserted into the charger, the charger will try to repair it. This process will last about 30mins (the light will be green and flash). If the repair is successful, the charger will automatically begin to charge the battery pack to the highest capacity possible (the light will be green and flash). If the light becomes solid red, the battery pack is dead.

**NOTE:** Repaired battery packs are still usable but should not be expected to perform as much work as new battery packs.

### IMPORTANT CHARGING NOTES:

1. For a new battery or a battery that has been in storage for sometime, please recharge the battery before use. If you want to store the battery for a long time, please fully charge the battery pack to ensure maximum battery life.
2. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 65°F and 75°F (18°-24°C). Do not charge the battery pack in air temperatures below + 40°F (+4.5°C), or above 105°F (40.5°C). This is important as it can prevent serious damage to the battery pack.
3. Never freeze your charger or immerse charger in water or any other liquid.

4. When the battery pack fails to produce sufficient power on jobs that were previously done easily, please recharge your battery, do not continue to use under this condition. You may charge a partially used pack whenever you desire with no adverse affect on the battery pack.
5. When charging it is normal that the charger and battery pack may become warm to touch.
6. If the battery pack does not charge properly:
  - a. Check current at power outlet by plugging in another appliance.
  - b. Plug and unplug to check whether the charger is ok
  - c. Check whether the battery has been damaged
  - d. Move the charger and battery pack to a location where the surrounding air temperature is approximately 65°F - 75°F (18°-24°C).
  - e. If the charging problem persists, take the tool, battery pack and charger to an authorized service center.
  - f. Under certain conditions, when the charger is plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the charger or before attempting to clean.

## PROBLEM SOLUTION

### I CANNOT FIT THE BATTERY INTO THE BATTERY CHARGER. WHY?

- a) Check if the charger and the battery pack are specifically designed for working together.
- b) The battery can be inserted into the charger only in one direction. Turn the battery around until it can be inserted into the slot, the indicator light should be green and flash when the battery is charging.

## REASONS FOR DIFFERENT CHARGING TIMES

The charging time can be affected by many reasons which are not defects in your product.

- a) If the battery pack is only partly discharged it may be re-charged in less than rated charging time.
- b) If the battery pack and ambient temperature are

- very cold/ hot, it may take longer to re-charge. Please find an appropriate environment with proper air temperature to start charging.
- c) If the battery pack is very hot, remove battery pack from the charger and allow battery pack to cool first to ambient temperature and then recharging can be started.

## **MAINTENANCE**

**Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.**

Your battery charger requires no additional lubrication or maintenance. Never use water or chemical cleaners to clean your charger. Wipe clean with a dry cloth. Always store your charger in a dry place.

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**WORX**

**[www.worx.com](http://www.worx.com)**

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