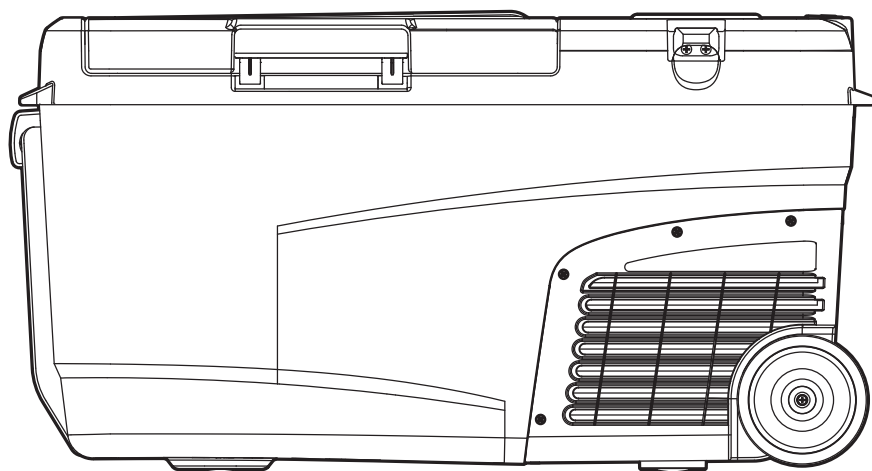


# **WORX**



## **SAFETY AND OPERATING MANUAL**

### **ORIGINAL INSTRUCTIONS**

**20V Portable Electric Cooler**  
**WX876 WX876.X**

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### 1. SAFETY INSTRUCTIONS PRODUCT SAFETY 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.**

1. 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.
2. Children aged from 8 years and above are allowed to use the appliances. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
3. The battery must be removed from the socket-outlet before cleaning or maintaining the appliance. The battery is not washable.
4. Check the voltage specification on the type plate corresponds to that of the energy supply. The appliance is only to be

used with the power supply unit provided with the appliance.

5. 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.

## **SAFETY WARNINGS TO YOUR CAR REFRIGERATOR**

1. The appliance may be connected to more than one source of energy;
2. The appliance shall not be exposed to rain.
3. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
4. This appliance is intended to be used in household and similar applications such as
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses and by clients in hotels, motels and other residential type environments;
  - bed and breakfast type

environments;

- catering and similar non-retail applications.
5. **WARNING:** When positioning the appliance, ensure the supply cord is not trapped or damaged.
  6. **WARNING:** Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance
  7. **WARNING:** To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
  8. To avoid contamination of food, please respect the following instructions:
    - Opening the door for long periods can cause a significant increase of the temperature in the compartments of the appliance.
    - Clean regularly surfaces that can come in contact with food and accessible drainage systems.
    - Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
    - If the refrigerating

appliance is left empty for long periods, switch off, defrost, clean, dry, and leave the door open to prevent mould developing within the appliance.

9. Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
10. Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
11. Do not damage the refrigerant circuit.
12. Do not use electrical appliances inside the drink storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

## **SAFETY WARNINGS FOR BATTERY PACK**












- a) **Do not dismantle, open or shred cells or battery pack.**
- b) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-**

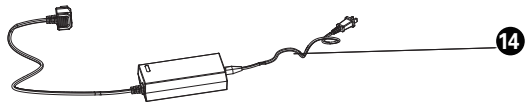
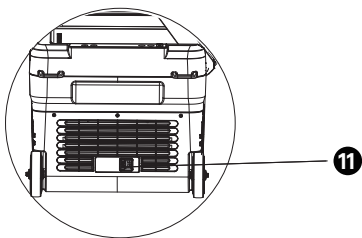
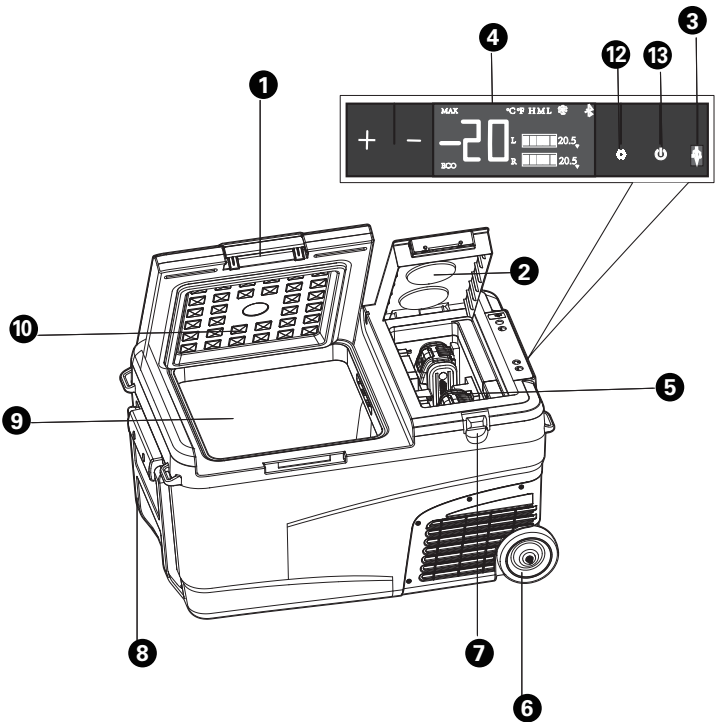
**circuited by conductive materials.** When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

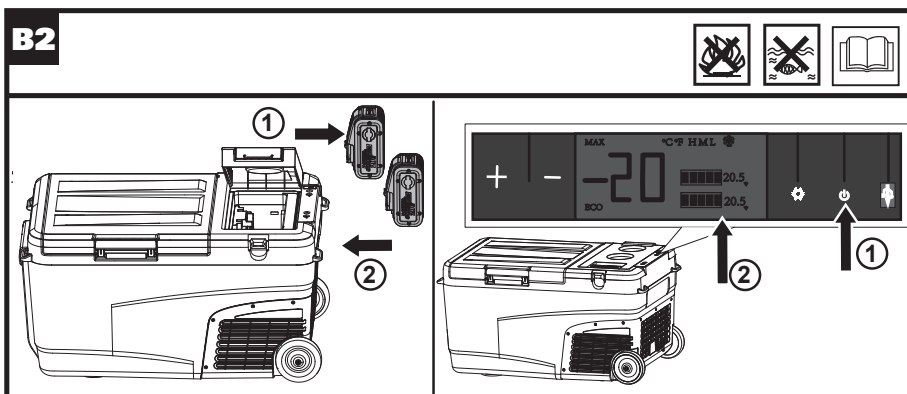
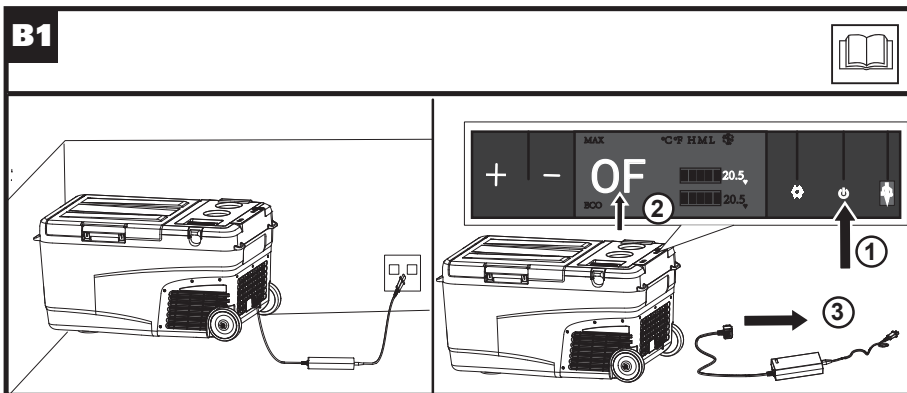
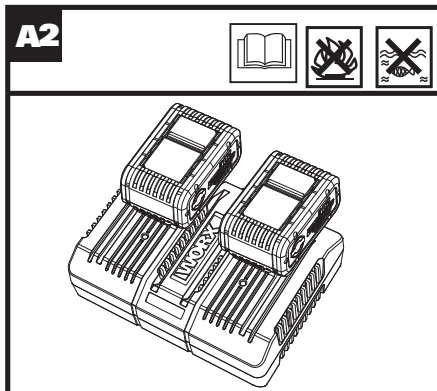
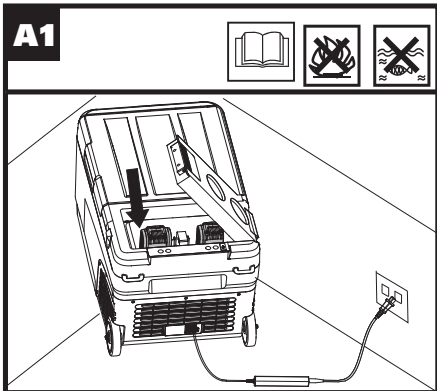
- c) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) **Do not subject battery pack to mechanical shock.**
- e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) **Keep battery pack clean and dry.**
- g) **Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- h) **Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging**

- procedure.
- i) **Do not maintain battery pack on charge when not in use.**
  - j) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
  - k) **Recharge only with the charger specified by Worx. Do not use any charger other than that specifically provided for use with the equipment.**
  - l) **Do not use any battery pack which is not designed for use with the equipment.**
  - m) **Keep battery pack out of the reach of children.**
  - n) **Retain the original product literature for future reference.**
  - o) **Remove the battery from the equipment when not in use.**
  - p) **Dispose of properly.**
  - q) **Do not use battery packs of different manufacture, size or type.**
  - r) **Keep the battery away from microwaves and high pressure**

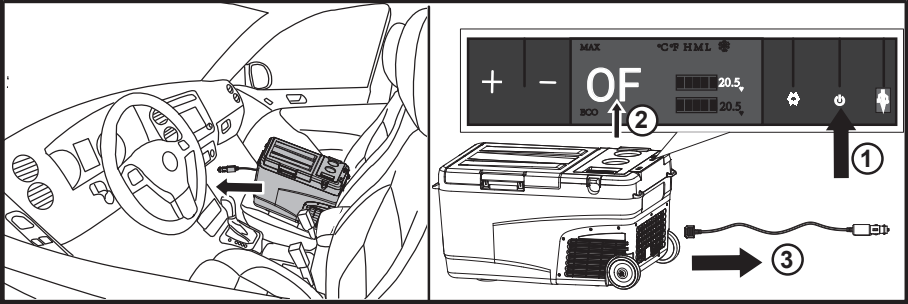
## SYMBOLS

	To reduce the risk of injury, user must read instruction manual
	Read operator's manual
	Warning
	Plus, positive polarity
	Minus, negative polarity
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
	Do not burn
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.
	Li-Ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Warning: Risk of fire / flammable materials
	Adaptor

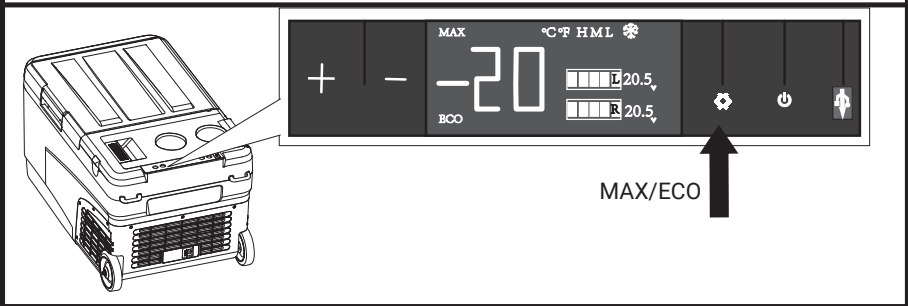




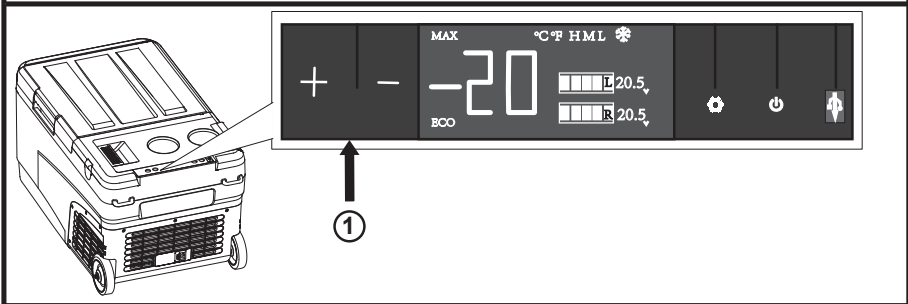
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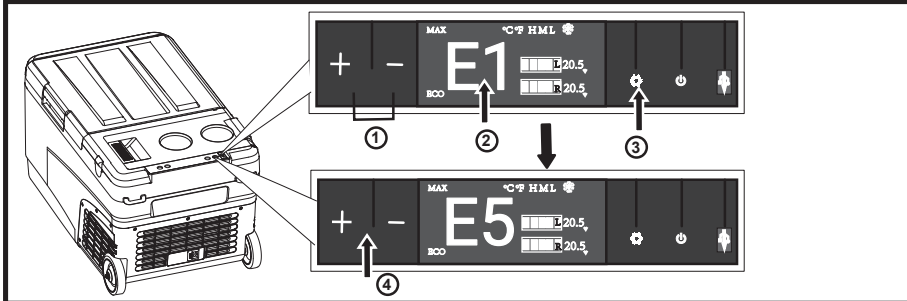
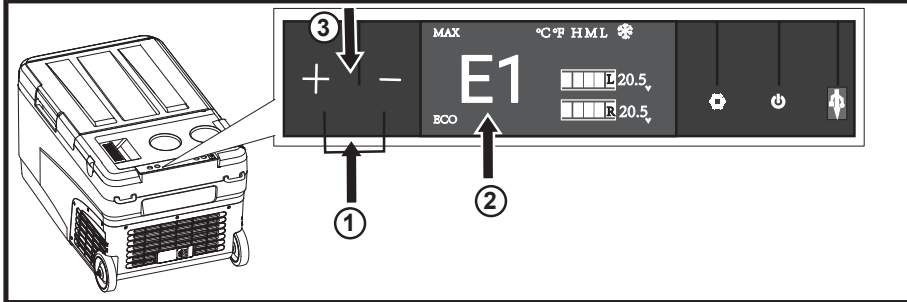
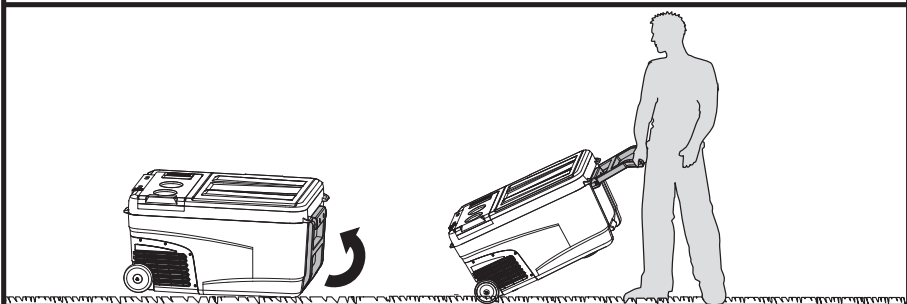
**C**



**D1**





**D2****D3****E**

## 2. COMPONENT LIST

1. DOOR LATCH
2. CUP HOLDER
3. USB PORT
4. CONTROL PANEL
5. BATTERY PACK \*
6. WHEEL
7. BOTTLE OPENER
8. PULL HANDLE
9. STORAGE ROOM
10. SEALING STRIP
11. PORT
12. SET BUTTON
13. ON/OFF SWITCH
14. AC CHARGER
15. CAR CIGARETTE LIGHTER PLUG CABLE

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

## 3. TECHNICAL DATA

Type Designation **WX876 WX876.X** (8- designation of machinery, representative of Car Refrigerator)

	WX876 WX876.X**
Rated voltage	20 V $\equiv$ Max ***
AC(Adaptor)Rated voltage	100 V-240 V~ 50-60 Hz
DC Rated voltage	12 V / 24 V
Rated Current	AC:1.2 A-0.5 A DC:5.0 A(12 V)/2.5 A(24 V)
Temperature Range	-20 ~ 20 °C
Power Supply	60 W
Machine Weight (Bare tool)	13.5 kg

\*\* X=1-999, A-Z, M1-M9 there are only used for different customers, there are no safe relevant changes between these models.

\*\*\* Voltage measured without workload. Initial battery voltage reaches maximum of 20 volts.

Nominal voltage is 18 volts.

## SUGGESTED BATTERIES AND CHARGERS

Category	Type	Capacity
20V Battery	WA3551	2.0 Ah
	WA3014	4.0 Ah
20V Charger	WA3883	4.0 A

We recommend that you purchase your accessories from the same store that sold you the tool. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

## 4. INTENDED USE

The cooler can not only be used to cool food and drinks in the room, but also be taken as the small portable refrigerator to store fresh food and drinks in the car.

## 5. OPERATION INSTRUCTIONS



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

## ASSEMBLY AND OPERATION

ACTION	FIGURE
<b>BEFORE OPERATION</b>	
<b>Charging the detachable batteries.</b>  Connect the cooler to the DC/AC power supply, then put the batteries into the battery case, finally the batteries will be charged randomly. You can also charge the batteries with a Worx PowerShare Charger . <b>Note:</b> 1. The batteries will be charged more quickly if just switch off the cooler when charging, as the power supply will mainly power the compressor instead of batteries when the cooler is running. 2. The batteries will be charged randomly.	See Fig. A1,A2
<b>OPERATION</b>	

### -AC Power Mode

**Turn on:** Plug the AC cord into the cooler and to a power supply, then the cooler is ready to work.

**Turn off:** Long press the ON/OFF button for 3 seconds until "OFF" shows in the control panel. Remove the power cord.

### -Battery Power Mode

**Turn on:** If batteries already in the battery pack compartment, remove batteries out and reinsert the batteries into the slots in the battery compartment; if no batteries in the compartment, just put the batteries in the compartment to turn on.

**Turn off:** Long press the ON/OFF button for 3 seconds to power the cooler off.

**Note:** 1. If the batteries have been left in the battery compartment and the cooler is not turning on, remove the batteries and reinsert them. Also check that the batteries are fully charged.

### -Car Mode

**Turn on:** Plug the cigarette lighter adaptor into the cooler and to the power supply in the car to turn it on.

**Turn off:** Long press the ON/OFF button for 3 seconds to power the cooler off. Remove the power cord.

### Exchange the cooling mode

Press the SET switch to choose the suitable cooling mode MAX(fast-cooling) or ECO(energy saving)

#### **Note:**

1. The factory setting is MAX mode.

See Fig. B1,B2,B3

See Fig. C

### Setting the Temperature

**Note: Batteries must be installed or cooler connected to power source to change settings**

### Setting the Temperature

Turn ON the cooler. Use the +- buttons to select desired temperature.

**Note: Temperature setting range is -20°C~20°C / -4°F~68°F**

### Setting the Temperature Unit

Turn the cooler on. Long press +- at the same time for 3 seconds until E1 is displayed. Then press the SET button again until E5 is shown. Press + or - to select Celsius or Fahrenheit.

**Note: Factory default is Celsius/°C**

### Reset Temperature

Turn the cooler on, then Long press +- at the same time for 3 seconds until E1 is displayed ,then press + or - to reset the temperature .

**Note: The minimum temperature setting is -20°C / -4°F**

### Transportation and Moving

It is available to hold the handle, leave the cooler at a 30° angle and move the cooler gently to anywhere you need to go.

#### **Note:**

1. When used outside, for best cooling results and extended runtime, pre-cool the cooler with the AC power supply or cigarette lighter adaptor. When the cooler has reached desired temperature, install the batteries for portable cooling.

2.The cooler can also be used without the batteries if connected to the AC power supply or the cigarette lighter adaptor.(see Fig B1,B3)

See Fig. D1, D2,D3

See Fig. E

## BATTERY PROTECTION MODE

In order to prevent the cooler from running down the car battery, the cooler is equipped with BATTERY PROTECTION MODE.

How to select BATTERY PROTECTION MODE:

1. When the cooler is running, please press the SET button for three seconds until screen flashes, then press SET button again to select protection mode H(high), M(medium), L(low). Factory setting is H mode.

INPUT	DC 12V		DC 24V	
	CUT OUT	CUT IN	CUT OUT	CUT IN
H	8.5V	10.9V	21.3V	22.7V
M	10.1V	11.4V	22.3V	23.7V
L	11.1V	12.4V	24.3V	25.7V

**Note:**

1. It is suggested to select H when connected to car power, while, M or L should be set when it is connected to a portable battery or other back-up battery.

## RECOMMENDED TEMPERATURE FOR COMMON FOOD

Common Food	Recommended Temperature
Fruits	5~8° C/41 ~46° F
Vegetable	3~ 10°C/37~50° F
Meat	-18°C/0° F
Drinks	5°C/41°F
Delicatessen	4°C/39°F
Wine	10° C/50° F
Ice cream	-10°C/14° F

## 6. CLEANING

It is well-suggested to use the wet cloth to wash the cooler.

**WARNING:**

1. Turn the cooler off and unplug the product before clean the cooler.
2. Do not sink the cooler in water and wash the cooler directly.
3. Do not use any abrasive cleaning agents to clean the cooler as these agents may cause damages to the product.

## 7. STORAGE

**Short-time storage**

Just turn the cooler off and unplug the product, the use a dry cloth to clean the storage room. Finally, put the cooler in storage.

**Long-time storage**

1. Switch off and unplug the device;
2. Empty the storage room and use a dry cloth to

- wipe the excess water from the cooler;
3. Put the cooler in a dry place and keep the lid slightly open to avoid odors.
4. Recommended storage environment: ambient temperature: 25°C, ambient humidity:75%.

## 8. MAINTENANCE

Frost will reduce the cooling capacity. It is well-suggested to defrost in time to avoid this:

1. Switch off and unplug the device;
2. Empty the storage room;
3. Leave the lid open;
4. Wipe off the defrosted water with a soft cloth.

**WARNING: Never use the hard or sharp tools to break the ice or remove any objects which have frozen in place.**

## FOR BATTERY TOOLS

The ambient temperature range for tool and battery use and storage is 0°C-45°C.

The recommended ambient temperature range for the charging system during charging is 0°C-40°C.

## 9. TROUBLESHOOTING

Problem	Reasons/Suggestions
Cooler does not work	<ol style="list-style-type: none"> <li>1. Check if the ON/OFF switch is on;</li> <li>2. Check if connected to a power source or batteries are installed;</li> <li>3. Check if the fuse is burnt;</li> <li>4. Ensure power supply is functioning correctly;</li> <li>5. Do not switch on/off the cooler frequently as it may cause start delay of the compressor.</li> </ol>
Objects are frozen in the cooler	The temperature is set too low
Cooler storage box is abnormally warm	<ol style="list-style-type: none"> <li>1. The cooler has stored a large amount of warm or hot food recently;</li> <li>2. The cooler lid is opened frequently;</li> <li>3. The cooler has been cut off power for a long time</li> </ol>
Water flow noise from the cooler inside	This is normal and comes from the compressor inside.
Water drops around the cooler lid	It is normal that the moisture will condense to water when it touches a cold surface of the cooler
The compressor is slightly noisy when running	No need to worry because the noise will be reduced after the compressor is stably running.
Code F1 shown	Possible reasons: low voltage Adjust the battery protection mode from High to Medium or from Medium to Low
Code F2 shown	Possible reasons: condenser fan is overloaded Cut the power off for five minutes and re-start If the code shows again, please contact manufacturer for help.
Code F3 shown	Possible reasons: the compressor is starting too frequently. Cut the power off for five minutes and re-start If the code shows again, please contact manufacturer for help.
Code F4 shown	Possible reasons: compressor not kicking in Cut the power off for five minutes and re-start If the code shows again, please contact manufacturer for help.
Code F5 shown	Possible reasons: overheating of the compressor & electronics. Cut the power off for five minutes and re-start If the code shows again, please contact manufacturer for help.
Code F6 shown	Possible reasons: no parameter can be detected by the controller. Cut the power off for five minutes and re-start If the code shows again, please contact manufacturer for help.
Code F7 shown	Possible reasons: temperature sensor is faulty. Contact manufacturer for help.

Code FA shown	Possible reasons: Compressor module failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code Fb shown	Possible reasons: Compressor module failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code FC shown	Possible reasons:Low battery voltage or faulty battery pack Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code C1 shown	Possible reasons: The ambient temperature is too high. Wait for the temperature to drop to recover
Code C2 shown	Possible reasons: The ambient temperature is too high. Wait for the temperature to drop to recover
Code C3 shown	Possible reasons: The ambient temperature is too low. If it does not recover after the temperature rises and restart the machine, please remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
<b>14</b> Code C4 shown	Possible reasons:Battery pack failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code C5 shown	Possible reasons:Battery pack failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code C6 shown	Possible reasons:Battery pack failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code C7 shown	Possible reasons:Low battery voltage or battery pack failure. Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code C8 shown	Possible reasons:Battery pack failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.
Code C9 shown	Possible reasons:Battery pack failure Remove the batteries out and plug the batteries again to see if it works. If code still shows, contact manufacturer for help.

# 10. DECLARATION OF CONFORMITY

We,  
Positec Germany GmbH  
Postfach 32 02 16, 50796 Cologne, Germany

On behalf of Positec declare that the product,  
Description **20V Portable Electric Cooler**  
Type **WX876 WX876.X (8 - designation of machinery, representative of Car Refrigerator)**  
Function **Intended to be used for the preservation of food, one of whose compartments is suitable for the storage of fresh food**

Complies with the following Directives:  
**2014/35/EC, 2014/30/EU, 2011/65/EU & (EU)2015/863**

Standards conform to  
**EN 60335-1, EN 60335-2-24, EN 62233, EN 55014-1, EN 55014-2**

The person authorized to compile the technical file,  
**Name Marcel Filz**  
**Address Positec Germany GmbH**  
**Postfach 32 02 16, 50796 Cologne, Germany**



2022/07/20  
Allen Ding  
Deputy Chief Engineer, Testing & Certification  
Positec Technology (China) Co., Ltd  
18, Dongwang Road, Suzhou Industrial  
Park, Jiangsu 215123, P. R. China

# DECLARATION OF CONFORMITY

We,  
Positec (UK & Ireland) Ltd,  
PO Box 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product,  
Description **20V Portable Electric Cooler**  
Type **WX876 WX876.X (8 - designation of machinery, representative of Car Refrigerator)**  
Function **Intended to be used for the preservation of food, one of whose compartments is suitable for the storage of fresh food**

Complies with the following Directives:  
**Electromagnetic Compatibility Regulations 2016**  
**The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations**

Standards conform to  
**BS EN 60335-1, BS EN 60335-2-24, BS EN 62233,**  
**BS EN 55014-1, BS EN 55014-2**

The person authorized to compile the technical file,  
**Name Jim Kirkwood**  
**Address Positec (UK & Ireland) Ltd,**  
**PO Box 6242, Newbury, RG14 9LT, UK**

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2022/07/20  
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Park, Jiangsu 215123, P. R. China



  
**it's your nature**

## After-sales Service and Application

At [www.worx.com](http://www.worx.com) you can order spare parts or arrange the collection of a product in need of servicing or repair.  
Tel. Service: 0345 202 9679  
E-Mail: [customerservices@worxtools.com](mailto:customerservices@worxtools.com)

**www.worx.com**

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V1-UK-WX876 WX876.X-M-20220720

# 20V Portable Electric Cooler WX876 WX876.X