



WORX WX853 Multifunctional Jump Start Instruction Manual

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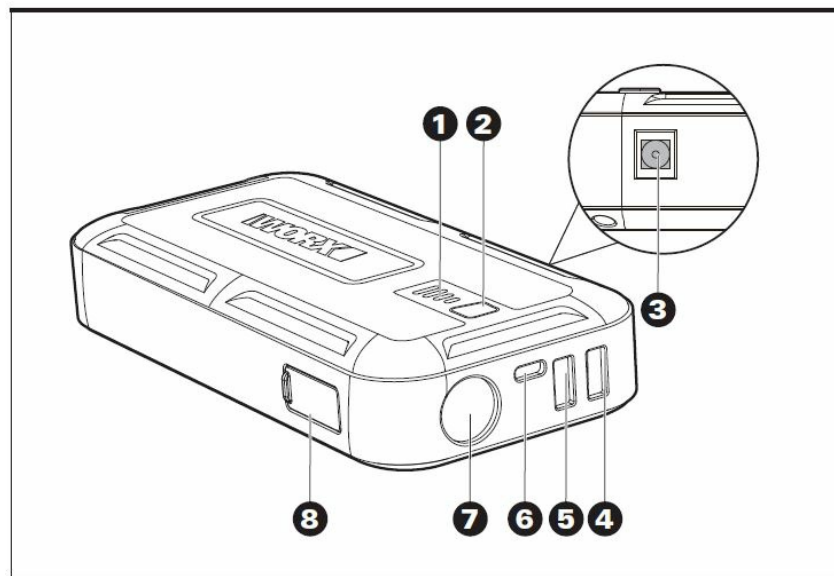
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WORX WX853 Multifunctional Jump Start



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 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. Cleaning and user maintenance shall not be made by children without supervision.
- Children should be supervised to ensure that they do not play with the appliance.

Additional safety instructions for Jump starter

- Do not use the unit for works other than those for which they are designed.
- Do not disassemble the unit and keep it out of the reach of children.
- Do not expose to rain or get wet.
- Do not short out the contacts of Jump starter
- Do not charge the Jump starter with a damaged wall charger or power extension cord. Replace them immediately.
- When using, ensure that the product is in a well-ventilated area and away from inflammable materials.
- Batteries can get hot during charging. Do not overcharge any batteries. Ensure that Jump starter are not left unsupervised during charging.
- Protect the product away from fire and heat, such as sunlight, or car and trunk in summer.
- Please use the specified charger (cable) for charging. If the product or cable is damaged, please do not use the product.
- Do not disassemble, bump, squeeze, puncture or penetrate the product.
- Keep jump starter dry, clean and oil-free. Be sure to use a clean cloth when cleaning and do not use any corrosive solvent.
- Longer life and better performance can be obtained if the battery is charged when the air temperature is between 18°C and 24°C. Do not charge the battery in air temperatures below 0°C, or above 40°C. This is important as it can prevent serious damage to the battery.
- Do not recharge non-rechargeable batteries, as they can overheat and break.
- Remove battery pack before performing any routine maintenance or cleaning.
- Do not expose to rain or get wet.
- Only use attachments recommended or sold by the manufacturer.

ADDITIONAL SAFETY INSTRUCTIONS FOR USING AS JUMP STARTER

WARNING: The JUMP STARTER should only be used as a jump starter with the supplied Safety Cable. NEVER use an alternate cable when jump starting with the JUMP STARTER







1. Someone should always be within range of your voice or close enough to come to your aid when you work near a lead-acid battery.
2. Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing or eyes. Protective eyewear should always be worn when working near lead-acid batteries.
3. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.
4. Be extra cautious to reduce risk of dropping a metal tool onto a battery. It might spark or short circuit the battery or another electrical part that may cause explosion.
5. Remove personal metal items such as rings, bracelets, necklaces and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.
6. Use the jump starter for jump starting lead-acid batteries only. Do not use for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage to property.
7. NEVER charge or jump start a frozen battery.
8. To prevent arcing, NEVER allow clamps to touch together or to contact the same piece of metal.
9. Do not disassemble, bump, squeeze, puncture or penetrate the product.

10. Keep jump starter dry, clean and oil-free. Be sure to use a clean cloth when cleaning and do not use any corrosive solvent.
11. 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
12. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection

SAFETY WARNINGS FOR BATTERY CELLS INSIDE THE TOOL

- Do not dismantle, open or shred cells.
- Do not short-circuit charging terminal. Do not store power tool haphazardly in a box or drawer where charging terminal may short-circuit each other or be short-circuited by conductive materials. When power tool 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 charging terminal to another.
- Do not expose power tool to heat or fire. Avoid storage in direct sunlight.
- Do not subject power tool to mechanical shock.
- 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.
- Keep power tool clean and dry.
- Wipe the charging terminals with a clean dry cloth if they become dirty.
- Power tool needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
- Do not maintain power tool on charge when not in use.
- After extended periods of storage, it may be necessary to charge and discharge the power tool several times to obtain maximum performance.
- Recharge only with the charger specified by Worx. Do not use any charger other than that specifically provided for use with the equipment.
- Keep power tool out of the reach of children.
- Retain the original product literature for future reference.
- Dispose of properly.
- Do not mix cells of different manufacture, capacity, size or type within a device.
Do not use any cell which is not designed for use with the equipment.
- Keep the battery away from microwaves and high pressure.

SYMBOLS

	To reduce the risk of injury, user must read instruction manual
	Warning
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
	Li-Ion battery, battery must be recycled
	Do not stare at the operating light source

POSITEC Inc. has established a partnership with the RBRC Corporation to recycle any Positec batteries with the RBRC-call2recycle seal. For environmental protection, please do not discard batteries in the trash. After the batteries' life cycle is ended, then please call 1-800-822-8837 for a free service that will properly dispose of the battery.

COMPONENT LIST

1. BATTERY INDICATOR
2. ON/OFF SWITCH
3. 12V 10A OUTPUT PORT
4. USB 5V 2.4A OUTPUT PORT
5. USB 5V 1A OUTPUT PORT
6. USB-C 5V 2A INPUT PORT
7. LED FLASHLIGHT (DISTRESS SIGNAL LAMP)
8. 12V VEHICLE START PORT

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

TECHNICAL DATA

	WX853	WX854
Dimensions	177*88*34mm	
Capacity	7500mAh	11000mAh
Output	USB1: 5V/2.4A (MAX) USB2: 5V/1A (MAX) 12V 10A power output 12V vehicle emergency start	
USB output power	15W (MAX)	
Rated input	Type-C 5V/2A (MAX)	
Start-up current	200A	250A
Peak current	500A	600A
Vehicle starting displacement	Gasoline vehicles: below 3.0 L/2.0T	Gasoline vehicles: below 6.0L Diesel vehicles: below 3.0L
Operating temperature range	-20℃~55℃	
Full power start times	About 30 times	
Self charging time	About 2.5 hours	About 4 hours
Product weight	370g	430g
ACCESSORIES		
USB charging cable		1
Charging clip with ten prevention features		1

OPERATING INSTRUCTIONS

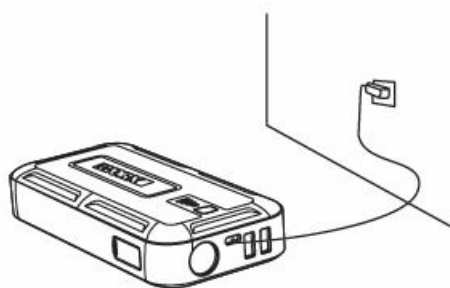
Indicator light description

Touch the switch button, the battery indicator will indicate as follows:

Start-up current	Not on	One on	Two on	Three on	Four on
EPOWER capacity	0%	25%	50%	75%	100%

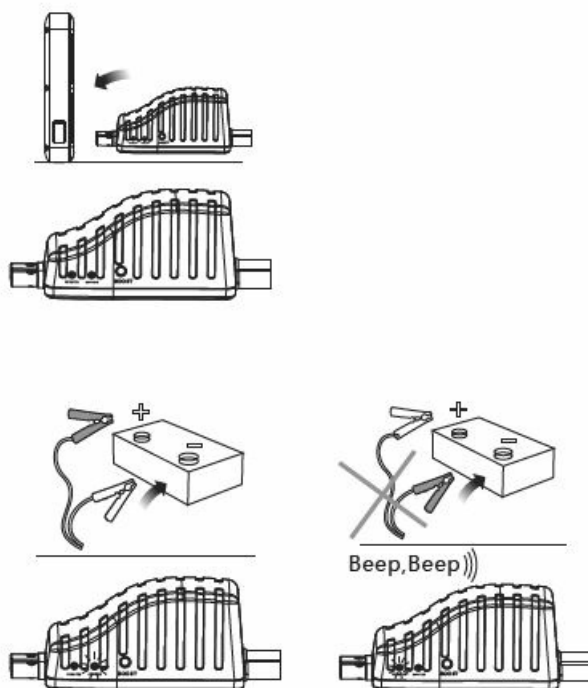
While charging the EPOWER, the battery indicator will flash circularly. The number of indicators that remain on for a long time represents the actual power of the product host. All four indicator lights are off, indicating that charging is paused/end. Charge the product host

1. Connect the data cable with the charger of the same specification at the input end of the host, and then plug the charger into the charging socket.
2. Insert the USB-C connector into the EPOWER host.



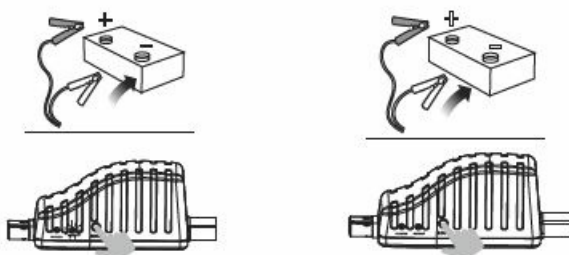
Start a 12V vehicle

1. Insert the blue connector of battery clip into the host. Make sure the battery clip indicator is off.
2. Connect the battery clip to the positive and negative poles of the automobile battery correctly. Connect the red clip to the battery positive (+), and connect the black clip to the negative (-);
3. Then, follow the instructions of the battery clip indicator below to perform corresponding operations:



The green light is on for a long time: indicates that the connection is correct and powered on, and emergency start can be made.

The red light is on with a beep sound: indicates that the positive and negative poles are connected incorrectly. Please reconnect correctly, and make an emergency start after the green light is on for a long time.



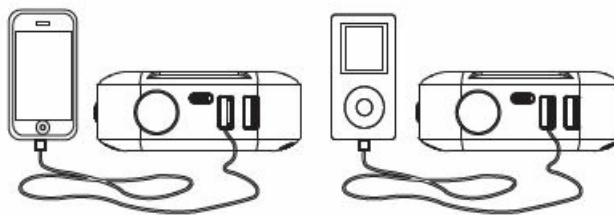
The green light flashes : indicates that the battery voltage is too low, press the BOOST button, wait for the green light to stay on, and complete the startup within 30 seconds.

Both the red light and the green light are off, and there is no beep: indicates that the battery may be completely damaged. Make sure that the positive and negative poles are connected correctly, and then press the BOOST button. After the green light stays on, complete the startup within 30 seconds .

- Turn the ignition switch to the START position.
- After the vehicle starts, remove the battery clip.

Charge mobile phones/tablets and other electronic products

1. Connect the USB plug of the adapter cable to the USB output port of the host
2. Connect the charging connector to electronic products such as mobile phones / tablets
3. Touch the switch button, automatically identify the appropriate parameters of electronic products, and start charging electronic products such as mobile phones / tablets.



Supply electricity to 12V electronic products / vehicle mounted products

1. Insert one end of the adapter into the 12V outlet of the host
2. Connect 12V electronic products / vehicle to the other end of the optional adapter cable
3. Touch the switch button to start the power supply for vehicle mounted products

Different mode switching of LED lamp

Press the switch button for 3 seconds to start the LED lighting function. Then shortly press the switch button in sequence: strong light, flashing, SOS, off.

WARNING:

1. Read the instructions carefully before using the product.
2. It is forbidden to use alternative car batteries.
3. Do not use it as a toy.
4. In order to reduce the risk of injury, close supervision must be carried out when using this product near children.
5. The product is used for 12V vehicle starting, and it may be dangerous if it is used for starting other equipment.
6. Please use the battery clip delivered with the machine. When the battery clip or wire is damaged, please stop using it to avoid fire, electric shock and other personal injuries.
7. Do not connect the positive and negative poles of the battery clip.
8. Before start-up, make sure that there is no rust and foreign matters attached to the interface. Connect the host and battery clip tightly to avoid affecting the start-up performance of the product due to interface connection problems.
9. After starting the vehicle successfully, please remove the product from the battery within 30s, otherwise it may cause damage.

10. Do not start more than 3 times in a row. Otherwise, the product may be overheated and damaged. When starting continuously, there should be two minutes between each start.
11. Do not use the clip to supply power to other equipment.
12. Do not place the product in the environment with the temperature over 60 °C.
13. Please charge at room temperature from 0 °C to 45 °C.
14. Do not expose the product to rain or place it in water.
15. Do not expose the product to extreme heat or fire.
16. Do not operate the product in explosive environment. For example, in the environment with flammable liquid, gas or dust.
17. Make sure that when using the product, someone is within the range of hearing you, or within a distance enough to come and help you.
18. Before using the product, remove metal ornaments, such as rings, bracelets and necklaces.
19. To reduce the risk of damage to the power plug and power cord, please disconnect the host from the clip at the battery clip plug.
20. Do not use damaged or modified battery packs. Damaged or modified batteries may have unpredictable consequences, leading to risks such as fire, explosion and injury.
21. Please use the charger supplied with the machine or with the same specification as the host input terminal for charging.
22. It is not allowed to charge the product immediately after starting the vehicle with this product.
23. Do not start vehicles while charging the host.
24. In extreme cases, the battery may leak. Do not contact the leakage with hands or skin directly. In case of contact, wash with soap and water immediately. If the leaked liquid enters the eyes, rinse the eyes with cold water for at least 10 minutes and seek medical advice immediately.
25. Lithium battery based products should be disposed of according to local regulations at the end of product life.

FAQ

Q: How to turn off mobile power?

A: The product has a smart detection function. Once there is no load or the charging of electronic products is finished, the mobile power supply will automatically sleep and save the power to avoid loss.

Q: How long does it take to charge the EPOWER host?

A: It takes about 3 hours to be fully charged through USB-C input.

Q: How many times can Epower charge a mobile phone?

A: It depends on the capacity of your mobile phone battery. Take Iphone8 as an example, it can be fully charged for 3 times.

4. How many times can EPOWER start a 3.0L gasoline vehicle?

A: It can start the vehicle 20 times in a row.

Q: How long is the life cycle of EPOWER?

A: It can be used for 3-5 years under normal use.

Q: How long can the EPOWER be stored before it be used to start a vehicle when it is fully charged?

A: As its circuit design is very scientific, the EPOWER can be stored for 6-12 months without use. However, in order to prolong the service life, it is recommended to charge it every 3 months.

MAINTAIN BATTERY CHARGER WITH CARE

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.

TROUBLESHOOTING

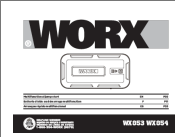
If the following “operations” cannot eliminate the fault, please stop using EPOWER and contact the store where you purchased the product.

Phenomenon	Causes	Operation
Touch the switch button, Epower has no response.	Because the Epower voltage is too low, the low-voltage protection function is activated to cut off the circuit.	Plug the charging plug into the USB-C input port to activate.

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Documents / Resources

	WORX WX853 Multifunctional Jump Start [pdf] Instruction Manual WX853, WX854, WX853 Multifunctional Jump Start, WX853, Multifunctional Jump Start, Jump Start
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References

-  [Lawn & Garden Equipment | Innovative Power Tools | WORX](#)