

USER MANUAL



6020913

1000A LITHIUM JUMP STARTER

**PLEASE SAVE THIS OWNER'S MANUAL AND READ
BEFORE EACH USE.**

This manual will explain how to use the unit safely and effectively.
Please read and follow these instructions and precautions carefully.



WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

RISK OF UNSAFE OPERATION.

When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools or equipment are designed. Manufacturer strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tools or equipment.

SAVE THESE INSTRUCTIONS:

Read this Instruction Manual and follow the instructions carefully before using this unit.

IMPORTANT NOTES:

Jump starters are designed for use on medium duty vehicle batteries. Several factors can affect a jump starter's ability to boost a vehicle's battery, including, but not limited to the size of the vehicle battery, the temperature (hot or cold), whether the battery is damaged or defective, and whether the jump starter itself is fully charged.

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 is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Responsible party Name: TRACTOR SUPPLY COMPANY
Address: 5401 VIRGINIA WAY BRENTWOOD, TN 37027
TEL: 1-888-376-9601

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.

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1. IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS. WARNING – RISK OF EXPLOSIVE GASES.

WORKING IN THE VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL OPERATION. IT IS IMPORTANT THAT YOU FOLLOW THESE INSTRUCTIONS EACH TIME YOU USE THE UNIT.

To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of a battery. Review cautionary markings on these products and on the engine.

 **WARNING:** This product can expose you to chemicals including cobalt, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING! RISK OF ELECTRIC SHOCK OR FIRE.

- 1.1 Read the entire manual before using this product. Failure to do so could result in serious injury or death.
- 1.2 Keep out of reach of children.
- 1.3 Do not put fingers or hands into any of the unit's outlets.
- 1.4 Do not expose the unit to rain or snow.
- 1.5 Use only recommended attachments.
- 1.6 To reduce the risk of damage to the electric plug or cord, pull by the adaptor rather than the cord when disconnecting the unit.
- 1.7 Do not operate the unit with damaged cables or clamps.
- 1.8 Do not operate the unit if it has received a sharp blow, been dropped or otherwise damaged in any way; take it to a qualified service person.
- 1.9 Do not disassemble the unit; take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of fire or electric shock.
- 1.10 To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Review the cautionary markings on these products and on the engine.
- 1.11 Do not set the unit on flammable materials, such as carpeting, upholstery, paper, cardboard, etc.
- 1.12 Never place the unit directly above battery being jumped.
- 1.13 Do not use the unit to jump start a vehicle while charging the internal battery.

2. PERSONAL PRECAUTIONS

WARNING! RISK OF EXPLOSIVE GASES. A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK NEAR THE BATTERY:

- 2.1 NEVER smoke or allow a spark or flame in the vicinity of a battery or engine.
- 2.2 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 to metal, causing a severe burn.
- 2.3 Be extra cautious, to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit the battery or other electrical part that may cause an explosion.
- 2.4 Do not permit the internal battery of the unit to freeze. Never charge a frozen battery.
- 2.5 To prevent sparking, NEVER allow clamps to touch together or contact the same piece of metal.
- 2.6 Consider having someone nearby to come to your aid when you work near a lead-acid battery.
- 2.7 Have plenty of fresh water, soap and baking soda nearby for use, in case battery acid contacts your eyes, skin, or clothing.
- 2.8 Wear complete eyes and body protection, including safety goggles and protective clothing. Avoid touching your eyes while working near the battery.
- 2.9 If battery acid contacts your skin or clothing, immediately wash the area with soap and water. If acid enters your eyes, immediately flood the eyes with cold running water for at least 10 minutes and get medical attention right away.
- 2.10 If battery acid is accidentally swallowed, drink milk, the whites of eggs or water. DO NOT induce vomiting. Seek medical attention immediately.
- 2.11 Neutralize any acid spills thoroughly with baking soda before attempting to clean up.

3. PREPARE TO USE THE UNIT

WARNING! RISK OF CONTACT WITH BATTERY ACID. BATTERY ACID IS A HIGHLY CORROSIVE SULFURIC ACID.

- 3.1 Make sure the area around the battery is well ventilated while the unit is in use.
- 3.2 Clean the battery terminals before using the jump starter. During cleaning, keep airborne corrosion from coming into contact with your eyes, nose and mouth. Use baking soda and water to neutralize the battery acid and help eliminate airborne corrosion. Do not touch your eyes, nose or mouth.
- 3.3 Determine the voltage of the battery by referring to the vehicle owner's manual and make sure that the output voltage is 12V.
- 3.4 Make sure that the unit's cable clamps make tight connections.

4. FOLLOW THESE STEPS WHEN CONNECTING TO A BATTERY

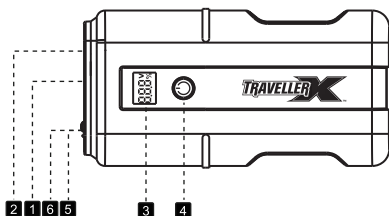
WARNING! A SPARK NEAR THE BATTERY MAY CAUSE A BATTERY EXPLOSION. TO REDUCE THE RISK OF A SPARK

NEAR THE BATTERY:

- 4.1 Attach the output cables to the battery and chassis as indicated below. Never allow the output clamps to touch each other.
- 4.2 Position the DC cables to reduce the risk of damage by the hood, door and moving or hot engine parts. NOTE: If it is necessary to close the hood during the jump starting process, ensure that the hood does not touch the metal part of the battery clips or cut the insulation of the cables.
- 4.3 Stay clear of fan blades, belts, pulleys and other parts that can cause injury.
- 4.4 Check the polarity of the battery posts. The POSITIVE (POS, P, +) battery post usually has a larger diameter than the NEGATIVE (NEG, N, -) post.
- 4.5 Determine which post of the battery is grounded (connected) to the chassis. If the negative post is grounded to the chassis (as in most vehicles), see step 4.6. If the positive post is grounded to the chassis, see step 4.7.
- 4.6 For a negative-grounded vehicle, connect the POSITIVE (RED) clamp from the jump starter to the POSITIVE (POS, P, +) ungrounded post of the battery. Connect the NEGATIVE (BLACK) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 4.7 For a positive-grounded vehicle, connect the NEGATIVE (BLACK) clamp from the jump starter to the NEGATIVE (NEG, N, -) ungrounded post of the battery. Connect the POSITIVE (RED) clamp to the vehicle chassis or engine block away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.
- 4.8 When disconnecting the unit, press the power button for 3 seconds and after the buzzer rings three times, the product will shut down. Remove the clamp from the vehicle chassis, then remove the clamp from the battery terminal.

DIGITAL DISPLAY

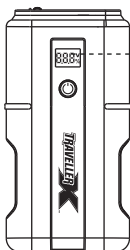
When the clamps are connected to a vehicle's battery, the digital display indicates the battery's voltage.



- | | |
|-------------------|-------------------|
| 1 FLASHLIGHT | 4 POWER BUTTON |
| 2 12V DC OUTPUT | 5 TYPE-C INPUT |
| 3 DIGITAL DISPLAY | 6 USB OUTPUT PORT |

High temperature protection
Low temperature protection
Reverse polarity protection
Over-charging & discharging protection
USB over-current protection
Short circuit protection

DISPLAY MESSAGES:



VOLTAGE -- Real-time Voltmeter
EO1 -- Reverse Polarity
EO2 -- Short Circuit
EO3 -- High Temperature
EO4 -- Low Temperature
EO5 -- Under Voltage

5.FEATURES

- 5.1** This device is designed to start vehicle engine.
- 5.2** This device will automatically detect the connection when it is on working mode.
 - 5.2.1** When the clamps are correctly connected to vehicle battery, the real-time voltage of the vehicle battery will be displayed on the screen, and the buzzer will start a 3-second count down, after the count down, then the vehicle can be started as usual.
 - 5.2.2** When the two polarities are connected reversely, the buzzer will start beeping for 60 seconds and the error code "EO1" will be displayed on the screen, the clamps need to be reconnected correctly.
 - 5.2.3** When the clamps connected are short-circuited, or when the clamps connected to the same conductor, the buzzer will start beeping for 60 seconds and the short-circuit error code "EO2" will be displayed on the screen. The clamps need to be reconnected correctly to remove the short-circuit influence.
- 5.3** Overdischarge protection. The battery level of the jump starter will be automatically checked to prevent any damages resulting from overdischarge when the battery level gets low. When the battery is depleted, the device will display '---' and then automatically shut down to prevent the built-in battery from being damaged due to overdischarge.
- 5.4** High temperature protection. The device will terminate all the outputting connection to protect itself from temperatures above 65℃, the high temperature error code "EO3" will be displayed on the screen under these circumstances. The buzzer will start a 3-second count down, and then the device will turn off within 10 seconds.
- 5.5** Low temperature protection. When the battery temperature is lower than -30℃, the LCD screen will display the low temperature error code "EO4", the buzzer will alarm, and the battery will automatically shut down after 10S.

- 5.6 When the device is on standby mode, press the power button to check the status of the internal battery, the result will be shown on the screen for 60 seconds, then the screen will automatically turn off.
- 5.7 The device can be used as a flashlight, double press the power button to light up, and double press the power button again to close.
- 5.8 This device can be charged with USB charger, the digits stand for the state of charge(0%–100%).
- 5.9 The device can be functioned as a power supplier to other devices via the USB port. Press the power button to enable the jump starter to output. Most devices charged via USB port are applicable. The device will protect the USB charging from short-circuit and over current. The device will automatically terminate USB outputting 60 seconds after USB devices disconnected and then enter sleep mode.
- 5.10 When charging other devices, the screen continuously displays the remaining power of the jump starter.
- 5.11 The device can be manually turned off by pressing the power button and hold for more than 3 seconds, all the output connection will be cut off once the device is turned off.
- 5.12 There is no automatic wake-up function of the USB port. The jump starter needs to be turned on first before charging other devices.
- 5.13 Undervoltage protection. When the internal battery is less than 10%, the product screen displays code "EOS" with buzzer alarm, and does not enter engine starting function.
- 5.14 Overcharge Protection: The lithium battery protection chip monitors the battery voltage in real time. During charging, if the voltage of the internal battery exceeds the safe voltage (15V), the protection chip will cut off the charging circuit to prevent the battery from overcharging.

6.INTERNAL BATTERY CHARGING

IMPORTANT! CHARGE IMMEDIATELY AFTER PURCHASE AND AFTER EACH USE. CHARGE EVERY 3-6 MONTHS TO KEEP THE BATTERY FULLY CHARGED AND PROLONG BATTERY LIFE.

- 6.1 To reduce the risk of electric shock, unplug the unit's charger from the outlet before attempting any maintenance or cleaning. Simply turning off the device will not reduce this risk.
- 6.2 When charging the internal battery, work in a well-ventilated area and do not restrict the ventilation in any way.
- 6.3 Check the internal battery level. When charging the internal battery, the number flashing on the screen indicates the remaining power of the internal battery(0%~100%).

Charging the internal battery using the (110V/120V)AC wall charger (not included).

- 1. Plug the AC wall charger into the unit's input socket.
- 2. The digital screen will show the charging status. Completing the charging process may take 4-6 hours.
- 3. When the battery is fully charged, disconnect the AC wall charger from the unit.
- 4. Charge the unit as soon as possible after use.

7. OPERATION INSTRUCTIONS

7.1 JUMP STARTING A VEHICLE ENGINE

IMPORTANT: Do not use the jump starter while charging its internal battery.

IMPORTANT: The device cannot start vehicles without battery or dead battery.

1. Turn the ignition OFF.
2. Position the DC cables away from any fan blades, belts, pulleys and other moving parts.

3. Plug the battery clamp cable into the jump starter's input socket.

NOTE: Make sure all of the vehicle's electrical devices are turned off.

4. For a negative-ground vehicle (as in most vehicles), connect the unit's POSITIVE (RED) clamp to the POSITIVE (POS, P, +) battery post. Next, connect the NEGATIVE (BLACK) clamp to the vehicle chassis or engine block, away from the battery.
5. For a positive-ground vehicle, connect the unit's NEGATIVE (BLACK) clamp to the NEGATIVE (NEG, N, -) battery post. Next, connect the POSITIVE (RED) clamp to the vehicle chassis or engine block, away from the battery. Do not connect the clamp to the carburetor, fuel lines or sheet-metal body parts. Connect to a heavy gauge metal part of the frame or engine block.

WARNING! RISK OF EXPLOSION.

6. Crank the engine. If the engine does not start within 2-4 seconds, stop cranking and wait at least 15 seconds before attempting to start the vehicle again.
7. After the engine starts, for a negative-ground vehicle, disconnect the black clamp (-) first and then the red clamp (+). For a positive-ground vehicle, disconnect the red clamp (+) first and then the black clamp (-)

7.2 USING THE USB-A AND TYPE-C PORT

The USB output provides up to 5V===3A; 9V===2A; 12V===1.5A

The Type-C input provides up to 5V===2A

1. Press the power button to turn on the jump starter.
2. Plug one end of the data cable into the USB-A/Type-C port of the jump starter.
3. Plug the other end of the data cable into the device to be charged.
4. After using the port, turn off the jump starter, or the jump starter will automatically shut down within 60 seconds.

8. MAINTENANCE INSTRUCTIONS

- 8.1 After using and before performing maintenance, unplug and disconnect the unit.

- 8.2 Use a dry cloth to wipe all battery corrosion and other dirt or oil from the battery clamps, cords, and the outer case.

- 8.3 Do not open the unit, as there are no user-serviceable parts; any servicing should be performed by qualified service personnel. All batteries lose energy from self-discharge over time and more rapidly at higher temperatures.

When the unit is not in use, we recommend that the battery be charged at least every 3-6 months.

Never submerge the unit in water. If the unit gets dirty, gently

clean the outer surfaces of the unit with a soft cloth moistened with a mild solution of water and detergent.

There are no user-replaceable parts. Periodically inspect the condition of adapters, connectors and wires.

BATTERY LIFESPAN GUIDELINES

The battery should last the service life of the unit. Service life is dependent on a number of factors including but not limited to the number of recharge cycles, and proper care & maintenance of the battery by the end user. Contact manufacturer for any information you may need.

SAFE BATTERY DISPOSAL

Contains a lithium-ion battery, which must be disposed of properly. Recycling is required. Failure to comply with local, state and federal regulations can result in fines, or imprisonment. Please recycle.

WARNINGS:

Do not dispose of the battery in fire as this may result in an explosion. Do not expose battery to fire or intense heat as it may explode.

9. SPECIFICATIONS

Battery type	Lithium-ion battery	USB output	5V = 3A, 9V = 2A, 12V = 1.5A
Vehicle boot voltage	12V	Type-C input	5V = 2A
Fully charged time	1-6 hours	Operation temperature	32°F-113°F 0°C-45°C

Model	6020913
Capacity	37Wh
Type-C input	5V = 2A
USB output	5V = 3A, 9V = 2A, 12V = 1.5A
Rated voltage	12V
Peak current	1000A
Suitable for	GAS 6.0L DIESEL 3.0L

Note: Starting performance is affected in the low temperature environment in winter. It is recommended to charge the product for preheating before using the product at a temperature higher than 0°C.

10.STORAGE INSTRUCTIONS

10.1 Charge battery to full capacity before storage.

10.2 Store this unit at temperatures between -20 °C -40 °C (-4°F-104°F).

10.3 Charge after each use.

10.4 Charge at least once every 3 to 6 months if not in frequent use.

WARNING! If the unit won't jump start the vehicle, please disconnect the clamps and re-connect according to the operation instruction again!

WARNING! The power supply outlet for the device shall be located near the device and in an easily accessible position for plugging and unplugging.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The screen displays the high-temperature code "E03" with the buzzer alarms, and automatically shuts down 10 seconds later.	High temperature protection.When the internal temperature is too high over 65 °C, the unit will not work to protect itself from damage.	Disconnect unit.Move it to a cooler, well-ventilated location and allow it cool down before attempting to recharge or jump start.
The screen displays the low-temperature code "E04" with the buzzer alarms, and automatically shuts down 10 seconds later.	Low temperature protection.When the internal temperature is too low below -30 °C, the unit will not work to protect itself from damage.	Disconnect unit.Move it to a warmer place to better make it over 0 °C.
The screen displays the reverse-connection code "E01" with the buzzer alarms, and automatically shuts down 10 seconds later.	The clamps are reversely connected.	Disconnect the unit and reconnect the clamps correctly according to the operation instruction.
The screen displays the short-circuit code "E02" with the buzzer alarms, and automatically shuts down 10 seconds later.	The clamps connected short-circuited or when the clamps are connected to the same conductor.	Disconnect the unit and reconnect the clamps correctly according to the operation instruction.
The screen displays the under-voltage code "E05" with the buzzer alarms, and automatically shuts down 10 seconds later.	Under-voltage protection.The product battery capacity is below 10% and does not enter the vehicle starting function.	Disconnect the unit. Charge the jump starter to at least 30% capacity.
The device cannot jump-start the vehicle.	Clamps are not making a good connection to the battery.	Check for poor connection to battery and frame. Make sure connection points are clean.
	The internal battery is not charged.	Check the battery charge status and recharge, if necessary.
	The vehicle's battery is defective or dead battery(<1.5V).	Have the battery checked and replaced.
The unit won't power my device.	The jump starter is not turned on.	Turn on the jump starter.
	The internal battery is not charged.	Check the battery charge status and recharge, if necessary.

11. PACKING

Jump Starter

USB-A to USB-C Cable

Jump Start Cables

EVA Carrying Case

Manual



This product contains an internal Lithium battery pack for formulated from environmentally sensitive materials. This product must be disposed of properly with due care for the environment. Please return this product to your local recycling station where batteries will be recycled or disposed of properly.

12. 3-YEAR LIMITED WARRANTY

Tractor Supply Company, makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials or workmanship for the period of 3-year limited from the date of purchase through normal use.

This warranty does not apply to damage due directly or indirectly, to misuse, abuse of the product, improper installation, or to lack of maintenance.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS. In order to obtain this service, you should contact ACS(American Customer Service), please call 1-888-376-9601.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Distributed by:

TRACTOR SUPPLY COMPANY

5401 VIRGINIA WAY BRENTWOOD, TN 37027

For customer support

Call:1-888-376-9601

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