



# 600Amp Vehicle Jump Starter & Portable Power Bank INSTRUCTION MANUAL P/N 030-1030-PS



**Read this material before using this product.  
Failure to do so can result in serious injury.  
Save this manual.**

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# IMPORTANT SAFETY INSTRUCTIONS

## WARNING

**When using this product, basic precautions should always be followed. Including the following:**

1. Save these instructions.
2. Read all the instructions before using the product.
3. To reduce the risk of injury, close supervision is necessary when the product is used near children.
4. Do not put fingers or hands into the product.
5. Use of an attachment not recommended or sold by the power pack manufacture may result in a risk of fire, electric shock, or injury to person.
6. To reduce the risk of damage to the electric plug, pull on the plug rather than the cords when disconnecting the power pack.
7. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
8. Do not operate the power pack with a damaged cord or plug.
9. Do not disassemble the power pack, only a qualified service technician should service the product. Incorrect reassembly may result in a risk of fire or electric shock.
10. To reduce the risk of electric shock, unplug the power pack from the outlet before attempting any instructed servicing.

## WARNING

### RISK OF EXPLOSIVE GASES

1. WORKING IN THE VICINITY OF A LEAD ACID BATTERY IS DANGEROUS. BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS THE UTMOST IMPORTANCE THAT YOU FOLLOW THE INSTRUCTIONS EACH TIME YOU USE THE POWER PACK.
2. To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacture and manufacture of any equipment you intend to use in the vicinity of the battery. Review all cautionary marking on these products and on engine.

## PERSONNEL PRECAUTIONS

1. Consider having someone close enough by to come to your aid when working near lead-acid battery.
2. Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
3. Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.
4. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with cold water for at least 10 minutes and get medical attention.
5. NEVER smoke or allow a spark or flame in vicinity of battery or engine.
6. Be extra cautious to reduce the risk of dropping a metal tool onto the battery. It might spark or short-circuit battery or other electrical part that may cause explosion.
7. Remove personnel metal items such as rings, bracelets, 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 severe burn.

## WARNING

1. When charging the internal battery, work in a well-ventilated area and do not restrict ventilation in any way.
2. Under abusive conditions, liquid may be ejected from the battery, avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burn.
3. Do not expose a power pack to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
4. Have servicing performed by a qualified technician using only factory replacement parts.

5. Attach output cables to the battery and chassis as indicated below. Never allow the output clamps to touch one another.
  - a) Check the battery level of the Jump Pack.
  - b) Insert the smart alligator clip connector into the end of the Jump Pack.
  - c) Connect the RED positive clip to the positive post on the battery, then the BLACK negative clip to the negative post on the battery.
  - d) If connected correctly the LED should turn green. Wait 5 to 10 seconds then start your vehicle.
  - e) Remove the clips immediately after the vehicle has started.

## CAUTION

- 1) Do not immerse in water.
- 2) Do not use or store the VEHICLE JUMP STARTER near sources of fire or heater.
- 3) Do not put the VEHICLE JUMP STARTER into a fire or apply direct heat to it.
- 4) Do not pierce the VEHICLE JUMP STARTER casing.
- 5) Do not strike, throw, or subject the VEHICLE JUMP STARTER to severe physical shock.
- 6) Do not attempt to modify the VEHICLE JUMP STARTER in any way.
- 7) Do not place the VEHICLE JUMP STARTER in a microwave oven or pressurized container.
- 8) Do not use the VEHICLE JUMP STARTER if it gives off an odor or generates heat
- 9) Do not insert any metal object into the cable input opening as this could cause a spark and electric shock.
- 10) Do not use the VEHICLE JUMP STARTER as a battery charger or power supply.

## PRODUCT SPECIFICATIONS

### VEHICLE JUMP STARTER & PORTABLE POWER

Standard USB Output port	5VDC, 2.4Amp
Type – C USB Input port	5VDC, 2Amp
Micro USB Input port	5VDC, 2Amp
Start Current/Peak Current	300Amp/600Amp
Model Part Number	030-1030-PS
Operating Temperature	32° - 104°F
Warranty	1 year
Certification	CEC, DOE, FCC, ICES-001
Transportation	UN38.3

## PRODUCT OVERVIEW

Below is a list of items that should be included in your retail box:

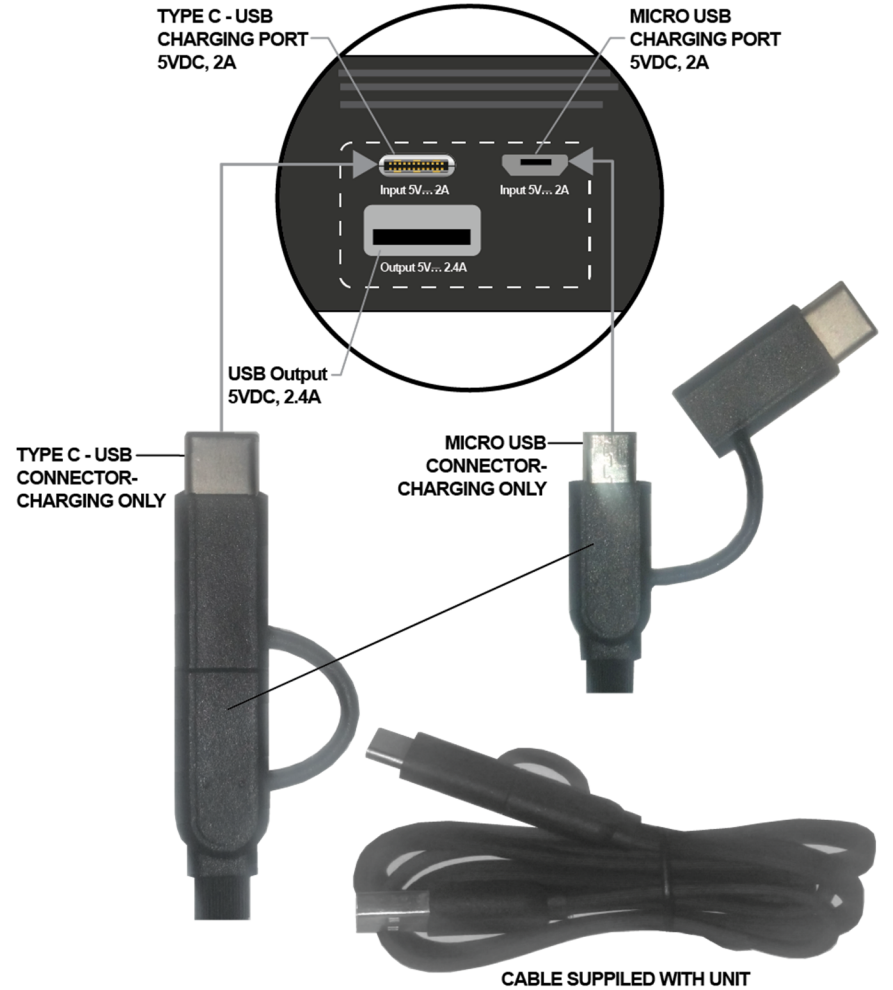
- 1) Vehicle Jump Starter & Portable Power Bank
- 2) Smart Alligator Clips
- 3) Ring Terminal Wire Harness
- 4) Micro USB Charging Cable
- 5) Carry Bag
- 6) Instruction Manual

# OPERATING INSTRUCTIONS

## JUMP STARTER & PORTABLE POWER PACK FEATURES



## USB CABLE CONNECTIONS FOR CHARGING



## JUMP STARTING A VEHICLE

- 1) Before jump starting your particular vehicle always check the manufacturer instructions/recommendations/warnings first.
- 2) Check the battery level of the Vehicle Jump Pack by pressing the touch button before jump starting your vehicle. **There must be a minimum of TWO (2) LED's illuminated.**
- 3) Insert the smart alligator clip connector or the ring terminal harness connector into the receptacle on the end Jump Pack (Car with hood open symbol).
- 4) Connect the RED positive clip to the positive post on the battery, then the BLACK negative clip to the negative post on the battery.
- 5) **CAUTION:** Ensure the Vehicle Jump Pack and smart alligator clip cables are clear of all vehicle fan blades/belts/pulleys etc. before proceeding.
- 6) The LED on the smart alligator clips will then turn GREEN. Wait 5 to 10 seconds then start your vehicle.
- 7) Remove the clips **IMMEDIATELY** after the vehicle has started. Black negative clamp first.
- 8) **DO NOT** use the Vehicle Jump Starter to repeatedly try and start your vehicle. Wait at least thirty (30) seconds between attempts. Check vehicle after three attempts.

## SMART ALLIGATOR CLIPS



The smart alligator clips contain a single Amber/Green LED along with a warning buzzer for Faults and Error protection:

- 1) If correctly connected the LED on the smart alligator clips should turn green.
- 1) Standby Mode – Clips are not connected – The Green LED Flashes.
- 2) Vehicle battery voltage to LOW - Amber LED On, buzzer is beeping
- 3) Vehicle battery voltage to HIGH - Amber LED On, buzzer On solid.
- 4) Alligator clips connected to vehicle battery in reverse polarity. (Red clip to Black negative terminal, Black clip to Red positive terminal). Amber LED On, buzzer is beeping.
- 5) Short circuit protection - Amber LED On, buzzer is beeping.
- 6) Overheat protection – Amber LED is Flashing, buzzer is beeping.

## RING TERMINAL WIRE HARNESS



Use this harness to connect directly to your battery.

- 1) Connect the RED ring terminal to the POSITIVE battery terminal.
- 2) Connect the BLACK ring terminal to the NEGATIVE battery terminal.
- 3) **WARNING: If you connect the ring terminals to the battery in reverse polarity then plug the harness into the jump pack it may cause damage to the jump pack.**

- 4) **DO NOT** plug the ring terminal harness into the jump pack until it is connected to the battery first.
- 5) Secure the control box with the Battery Tender® logo using the mounting slots.
- 6) Route the wiring so that you have easy access to the connector.
- 7) When a jump start is required simply plug the connector directly into the receptacle on the end Jump Pack (Car with hood open symbol).

## CHARGING THE VEHICLE JUMP STARTER AND PORTABLE POWER PACK

- 1) Use the supplied micro USB cable to charge the Vehicle Jump Starter & Portable Power Bank.  
**NOTE:** While charging all the other features and functions are NOT active.
- 2) There are four (4) blue LED's that show the state of charge of the internal lithium battery. Simply press the touch button to activate these LED's.
- 3) Each LED shows a percentage of charge of the internal lithium battery.
  - a. 0% - 24% remaining LED 1 flashing.
  - b. 25% - 49% LED 1 solid, LED 2 flashing.
  - c. 50% - 74% LED 1 & 2 solid, LED 3 flashing.
  - d. 75% - 99% LED 1, 2 & 3 solid, LED 4 flashing.
  - e. 100% Charged, all of the LED's are solid and will go into sleep mode after 10 seconds.
- 4) The battery level should be checked and charged every three (3) months.
- 5) **DO NOT** use any other charger to charge this Vehicle Jump Starter & Portable Power Bank.
- 6) Doing so can damage the internal battery and be very dangerous.
- 7) When charging the internal battery, work in a well-ventilated area and do not restrict ventilation in any way.

## CAUTION

- 1) The device shall be stored indoors and protected from the elements.
- 2) The unit shall not be charged outdoors.
- 3) When in use, steps should be taken to reduce the exposure to rain, sleet, snow, and the like.

## USB PORTS

- 1) There are three (3) USB ports contained in your Jump Starter & Portable Power Bank. Once your device is connected you must press the touch button to activate charging.
  - a. Standard USB Output port - 5VDC/2.4Amp. Used to charge your cell phone, tablet etc.
  - b. Type – C USB Input port – 5VDC/2Amp. This port is for charging your Jump Starter & Portable Power Bank. Only use the supplied cable to charge your Jump Starter & Portable Power Bank.
  - c. Micro USB Input port – 5VDC/2Amp. This port is for charging your Jump Starter & Portable Power Bank. Only use the supplied cable to charge your Jump Starter & Portable Power Bank.

## LED FLASHLIGHT

- 1) To turn the LED lights ON simply hold the Touch Button down for at least two (2) seconds.
- 2) To turn the LED lights OFF hold the Touch Button down for at least two (2) seconds.

## USER MAINTENANCE INSTRUCTIONS

- 1) The battery level should be checked, and the Vehicle Jump Starter & Portable Power Bank should be charged every three (3) months. Keeping the internal battery fully charged will ensure the Vehicle Jump Starter & Portable Power Bank in ready to use when needed. This will also extend the life of the internal battery.
- 2) Store the Vehicle Jump Starter & Portable Power Bank in a clean dry environment at room temperature if possible.
- 3) If you see a bulge in the case or notice a chemical smell STOP using the Vehicle Jump Starter & Portable Power Pack immediately and seek technical help.

## TROUBLE SHOOTING

PROBLEM	SOLUTION
The vehicle will not start	Check the connection of the alligator clips to the battery terminals and ensure the LED is solid green and not flashing on the smart alligator clips. Ensure you have a minimum of two blue LED's illuminated.
Vehicle battery voltage to low	After connecting the smart alligator clips wait a couple of minutes before attempting to start the vehicle.
Vehicle Jump Pack & Portable Power Bank will not charge	Check the cable and connection and try charging a different device.

## FCC WARNING

Title 47 Subpart, 15.105(b)

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 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 television reception, which can be determined by tuning 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.
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### ICES-001: Industrial, Scientific, and Medical (ISM) Radio Frequency Generators

This product has been tested with the listed standards and found to be compliant with the Code of Industry Canada ES-001 and the measurement Procedure according to CISPR 11.

**CAN ICES-1/NMB-1**

## CUSTOMER SERVICE

For customer support please visit [batterytender.com](http://batterytender.com). You can also call our customer service hotline 877-456-7901

## WARRANTY

The Battery Tender® Jump Starter & Portable Power Pack comes with a twelve (12) month limited warranty against defects or failure (within one (1) year of purchase).

THIS LIMITED WARRANTY IS VOID under the following conditions:

- 1) The product is misused, subjected to careless handling, or operated under conditions of extreme temperature, shock, or vibration beyond our recommendations for safe and effective use.
- 2) The product is disassembled or repaired by anyone who is not an authorized service representative of Battery Tender®
- 3) The product was purchased from an unauthorized source. Warranty is not transferable from the original purchaser.
- 4) Any physical damage to any of components or any accessory after purchase.
- 5) Any modifications to any of the components.
- 6) Any corrosion including salt water.