CAT Professional Jump-Starter Instruction Manual

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SAVE THIS MANUAL FOR FUTURE REFERENCE.

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.

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 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 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.

Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment. This Class B digital apparatus complies with Canadian ICES-003.

GENERAL SAFETY WARNINGS AND INSTRUCTIONS

READ ALL INSTRUCTIONS WARNING
Read all instructions before operating jumpstarter. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAFETY GUIDELINES / DEFINITIONS
DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
⚠**WARNING**: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

⚠**CAUTION**: Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

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 and 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 tool or equipment.

IMPORTANT SAFETY INSTRUCTIONS

⚠**WARNING**: This product or its power cord contains lead, a chemical known to the State of California to cause cancer and birth defect or other reproductive harm. Wash hands after handling.

- This unit was designed for household use only.
- GENERAL INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, BURST HAZARD, OR INJURY TO PERSONS OR PROPERTY
- Avoid dangerous environments. Don't use appliances in damp or wet locations. Don't use appliances in the rain.
- Keep children away. All visitors should be kept at a distance from work area.
- Dress properly. Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use safety glasses and other safety equipment. Use safety goggles or safety glasses with side shields, complying with applicable safety standards. Safety glasses or the like are available at extra cost at your local dealer.
- Store idle appliance indoors. When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.
- Don't abuse cord. Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- Disconnect appliances. Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories.
- Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuits or outlets to be used. Receptacles are available having built in GFCI protection and may be used for this measure of safety.
- Use of accessories and attachments. The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Refer to the accessory section of this manual for further details.
- Stay alert. Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
- Check for damaged parts. Any part that is damaged should be replaced by the manufacturer before further use. Contact the manufacturer at 855-806-9228 (855-806-9CAT) for more information.
- Do not operate this appliance near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
- Never submerge this unit in water; do not expose it to rain, snow or use when wet.
- To reduce risk of electric shock, disconnect the unit from any power source before attempting maintenance or cleaning. Turning off controls without disconnecting will not reduce this risk.
- This equipment employs parts (switches, relays, etc.) that produce arcs or sparks. Therefore, if used in a garage or enclosed area, the unit MUST be placed not less than 18 inches above the floor.
- Do not use this unit to operate appliances that need more than 5 amps to operate from the 12 volt DC accessory outlet.
- Do not insert foreign objects into either the USB outlet, the 12 volt DC accessory outlet or the 120 volt AC outlet.

SPECIFIC SAFETY INSTRUCTIONS FOR CHARGING THIS UNIT

- **IMPORTANT**: This unit is delivered in a partially charged state. Fully charge unit with a household extension cord (not supplied) for a full 40 hours before using for the first time. You cannot overcharge the unit using the AC charging method.
- To recharge this unit, use only the built-in AC Charger.

- All ON/OFF switches should be in the OFF position when the unit is charging or not in use. Make sure all switches are in the OFF position before connection to a power source or load. ⚠**WARNING**: SHOCK HAZARD
- **Outdoor use extension cords**. When appliance is used outdoors, use only extension cords intended for use outdoors and so marked.
- **Extension cords**. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

MINIMUM GAGE FOR CORD SETS

Volts		Total Length of Cord in Feet			
120V		0-25 (0-7.6m)	26-50 (7.6-15.2m)	51-100 (15.2-30.4m)	101-150 (30.4-45.7m)
240V		0-50 (0-15.2m)	51-100 (15.2-30.4m)	101-200 (30.4-60.9m)	201-300 (60.9-91.4m)
Ampere Rating		**Extension Cord Length**			
More Than	**Not more Than**	**0'-25'**	**26'-50'**	**51 '-100 '**	**101' -150 '**
		American Wire Gage (AWG)			
0 -	6	18	16	16	14
6 -	10	18	16	14	12
10 -	12	16	16	14	12
12 -	16	14	12	Not Recommended	

When an extension cord is used, make sure that: • a) the pins of extension cord are the same number, size and shape as those in the charger, • b) the extension cord is properly wired and in good electrical condition, • c) the wire size is large enough for the AC rating of the charger. ⚠**CAUTION**: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE: Pull by the plug rather than the cord when disconnecting the extension cord from the built-in charging adapter or from the AC outlet. **SPECIFIC SAFETY INSTRUCTIONS FOR COMPRESSORS** ⚠ **WARNING**: BURST HAZARD:

- Never leave the compressor unattended while in use.
- Carefully follow instructions on articles to be inflated.
- Never exceed the recommended pressure listed in instructions on articles to be inflated. If no pressure is given, contact article manufacturer before inflating. Bursting articles can cause serious injury.
- Always check pressure with the pressure gauge.

⚠**CAUTION**: TO REDUCE THE RISK OF PROPERTY DAMAGE: Do not operate compressor continuously for longer than approximately 10 minutes, depending on ambient temperatures, as it may overheat. In such event, compressor may automatically shut down. Turn off the compressor power switch immediately and restart after a cooling down period of approximately 30 minutes.

SPECIFIC SAFETY INSTRUCTIONS FOR JUMP STARTERS

WARNING: BURST HAZARD Do not use the unit for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage property. Use the unit for charging/ boosting a lead-acid battery only. It is not intended to supply power to a low-voltage electrical system other than in a starter-motor application. Use of an attachment not supplied, recommended or sold by manufacturer specifically for use with this unit may result in a risk of electrical shock and injury to persons. **WARNING**: RISK OF EXPLOSIVE GASES

- Working in the vicinity of a lead acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of the utmost importance that each time before using the jump-starter you read this manual and follow instructions exactly.
- To reduce the risk of battery explosion, follow these instructions and those published by the battery manufacturer and manufacturer of any equipment you intend to use in the vicinity of the battery. Review cautionary markings on these products and on the engine.

⚠**CAUTION**: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- NEVER ATTEMPT TO JUMP-START OR CHARGE A FROZEN BATTERY.
- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting, read the vehicle's owner's manual to confirm that external-starting assistance is suitable.
- When working with lead acid batteries, always make sure immediate assistance is available in case of accident or emergency.
- Always have protective eyewear when using this product: contact with battery acid may cause blindness and/or severe burns. Be aware of first aid procedures in case of accidental contact with battery acid.
- Have plenty of fresh water and soap nearby in case battery acid contacts skin.
- Never smoke or allow a spark or flame in vicinity of vehicle battery, engine or power station
- 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 similar metal object, to skin, causing a severe burn.
- Do not wear vinyl clothing when jump-starting a vehicle when jump-starting a vehicle, friction can cause dangerous static-electrical sparks.
- Jump-start procedures should only be performed in a safe, dry, well-ventilated area.
- Always store battery clamps when not in use. Never touch battery clamps together. This can cause dangerous sparks, power arcing and/or explosion.
- When using this unit close to the vehicle's battery and engine, stand the unit on a flat, stable surface, and be sure to keep all clamps, cords, clothing and body parts away from moving vehicle parts.
- Never allow red and black clamps to touch each other or another common metal conductor — this could cause damage to the unit and/or create a sparking/explosion hazard. a) For negative-grounded systems, connect the POSITIVE (RED) clamp to the POSITIVE ungrounded battery post and 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. b) For positive-grounded systems, connect the NEGATIVE (BLACK) clamp to the NEGATIVE ungrounded battery post and 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.
- If the connections to the battery's POSITIVE and NEGATIVE terminals are incorrect, the Reverse Polarity Indicator will light (red) and the unit will sound a continuous alarm until the clamps are disconnected. Disconnect clamps and reconnect to battery with correct polarity.
- Always disconnect the negative (Black) jumper cable first, followed by the positive (Red) jumper cable, except for positive grounded systems.
- Do not expose battery to fire or intense heat since it may explode. Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Place this unit as far away from the battery as cables permit.

- Never allow battery acid to come in contact with this unit.
- Do not operate this unit in a closed area or restrict ventilation in any way.
- This system is designed to be used only on vehicles with a 12 volt DC battery system. Do not connect to a 6 volt or 24 volt battery system.
- This system is not designed to be used as a replacement for a vehicular battery. Do not attempt to operate a vehicle that does not have a battery installed.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedures and look for other problems that may need to be corrected.
- Do not use this jump-starter on a watercraft. It is not qualified for marine applications.
- Although this unit contains a non-spillable battery, it is recommended that unit be kept upright during storage, use and recharging. To avoid possible damage that may shorten the unit's working life, protect it from direct sunlight, direct heat and/or moisture.

SPECIFIC SAFETY INSTRUCTIONS FOR INVERTERS

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:

- Do not connect to AC distribution wiring.
- Do not make any electrical connections or disconnections in areas designated as IGNITION PROTECTED. This inverter is NOT approved for ignition protected areas.
- Never immerse the unit in water or any other liquid, or use when wet.

⚠**WARNING**: TO REDUCE THE RISK OF FIRE:

- Do not operate near flammable materials, fumes or gases.
- Do not expose to extreme heat or flames.

⚠**CAUTION**: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- Disconnect appliance plug from inverter outlet before attempting any repairs to the appliance.
- Do not attempt to connect the inverter while operating your vehicle. Not paying attention to the road may result in a serious accident.
- Always use the inverter where there is adequate ventilation.
- Always turn the inverter off when not in use.
- Keep in mind that this inverter will not operate high wattage appliances or equipment that produce heat, such as hair dryers, microwave ovens and toasters.
- Do not use this inverter with medical devices. It is not tested for medical applications.
- Operate inverter only as described in this Instruction Manual.

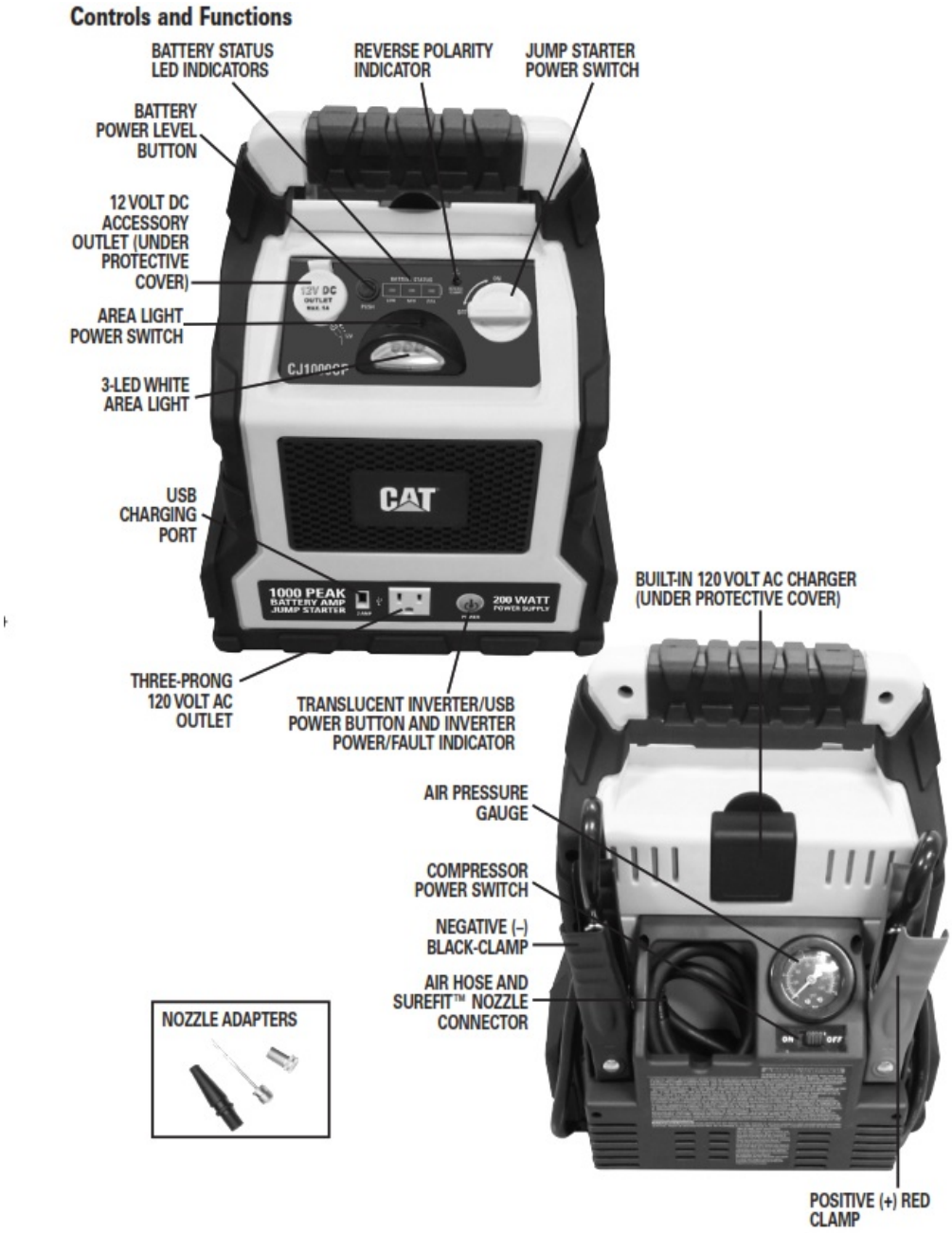
FIRST AID

- SKIN: If battery acid contacts skin or clothing, wash immediately with soap and water for at least 10 minutes. If redness, pain, or irritation occurs, seek immediate medical attention. EYES: If battery acid comes in contact with eyes, flush eyes immediately, for a minimum of 15 minutes and seek immediate medical attention.

  SAVE THESE INSTRUCTIONS

INTRODUCTION

Congratulations on purchasing your new Cat® Professional Jump Starter. Read this Instruction Manual and follow the instructions carefully before using this unit.



CHARGING/RECHARGING

Lead-acid batteries require routine maintenance to ensure a full charge and long battery life. All batteries lose energy from self-discharge over time and more rapidly at higher temperatures. Therefore, batteries need periodic charging to replace energy lost through self-discharge. When the unit is not in frequent use, manufacturer recommends the battery be recharged at least every 30 days.

Notes: This unit is delivered in a partially charged state – you must fully charge it upon purchase and before using it for the first time for a full 40 hours or until the green LED Battery Status Indicator lights solid. Recharging the battery after each use will prolong battery life; frequent heavy discharges between recharges and/or overcharging will reduce battery life. Make sure all other unit functions are turned off during recharging, as this can slow the recharging process. In some rare cases, if the battery is overly discharged and the green LED lights immediately when the charger is plugged in, this indicates the battery is at a high impedance stage. If this occurs,

recharge the unit for a period of 24-48 hours before use.

⚠**CAUTION**: RISK OF PROPERTY DAMAGE: Failure to keep the battery charged will cause permanent damage and result in poor jump starting performance. Charging/Recharging Using the 120 Volt AC Charger and a Standard Household Extension Cord (not included) 1. Open the AC adapter cover located on the back of the unit and connect an extension cord to the unit. Plug the other end of the cord into a standard 120-volt AC wall outlet. 2. Charge until the green LED Battery Status Indicator lights solid. 3. Once fully charged, disconnect the extension cord. **Notes**: The unit cannot be overcharged using this method. The unit will not charge if the compressor power switch is turned on.

JUMP-STARTER

This Jump-Starter is equipped with an On/Off power switch. Once the connections are properly made, turn the switch on to jump-start the vehicle.

1. Turn off vehicle ignition and all accessories (radio, A/C, lights, connected cell phone chargers, etc.). Place vehicle in “park” and set the emergency brake.
2. Make sure the Jump-Starter power switch is turned to off.
3. Remove jumper clamps from clamp tabs. Connect the red clamp first, then the black clamp.
4. Procedure for jump-starting a NEGATIVE GROUNDED SYSTEM (negative battery terminal is connected to chassis) (MOST COMMON) 4a. Connect positive (+) red clamp to vehicle battery’s positive terminal. 4b. Connect negative (–) black clamp to chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to negative battery terminal or moving part. Refer to the automobile owner’s manual.
5. Procedure for jump-starting POSITIVE GROUND SYSTEMS Note: In the rare event that the vehicle to be started has a Positive Grounded System (positive battery terminal is connected to chassis), replace steps 4a and 4b above with steps 5a and 5b, then proceed to step 6. 5a. Connect negative (–) black clamp to vehicle battery’s negative terminal. 5b. Connect positive (+) red clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. Never clamp directly to Positive battery terminal or moving part. Refer to the automobile owner’s manual.
6. When clamps are connected properly, turn the Jump-Starter power switch to ON.
7. Turn ON the ignition and crank the engine in 5-6 second bursts until engine starts.
8. Turn the Jump-Starter power switch back to the OFF position.
9. Disconnect the negative (–) engine or chassis clamp first, then disconnect the positive (+) battery clamp.

⚠**WARNING**: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- FOLLOW ALL SAFETY INSTRUCTIONS FOUND IN THE “SPECIFIC SAFETY INSTRUCTIONS FOR JUMP STARTERS” SECTION OF THIS INSTRUCTION MANUAL.
- This power system is to be used ONLY on vehicles with 12 volt DC battery systems.
- Never touch red and black clamps together — this can cause dangerous sparks, power arcing, and/or explosion.
- After use, turn the Jump-Starter power switch off.

⚠**CAUTION**: TO REDUCE THE RISK OF PROPERTY DAMAGE:

- Vehicles that have on-board computerized systems may be damaged if vehicle battery is jump-started. Before jump-starting this type of vehicle, read the vehicle manual to confirm that external-starting assistance is

advised.

- Excessive engine cranking can damage the vehicle‘s starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump-start procedure and look for other problems that need to be corrected.
- If the connections to the battery’s positive and negative terminals are incorrect, the Reverse Polarity Indicator will light and the unit will sound a continuous alarm until the clamps are disconnected. Disconnect clamps and reconnect to battery with correct polarity.
- If vehicle fails to start, turn off the ignition, turn off the Jump-Starter power switch, disconnect the jump-start system’s leads and contact a qualified technician to investigate why the engine did not start.
- Recharge this unit fully after each use.

120 VOLT AC PORTABLE POWER SUPPLY

This unit has a built-in Power Inverter that provides up to 200 watts of AC power. This inverter is an electronic device that converts low voltage DC (direct current) electricity from a battery to 120 volts AC (alternating current) household power. It converts power in two stages. The first stage is a DC-to-DC conversion process that raises the low voltage DC at the inverter input to 145 volts DC. The second stage is a MOSFET bridge stage that converts the high voltage DC into 120 volts, 60 Hz AC. **Power Inverter Output Waveform** The AC output waveform of this inverter is known as a modified sine wave. It is a stepped waveform that has characteristics similar to the sine wave shape of utility power. This type of waveform is suitable for most AC loads, including linear and switching power supplies used in electronic equipment, transformers, and small motors. **Rated Versus Actual Current Draw of Equipment** Most electrical tools, appliances, electronic devices and audio/visual equipment have labels that indicate the power consumption in amps or watts. Be sure that the power consumption of the item to be operated is below 200 watts. If the power consumption is rated in amps AC, simply multiply by the AC volts (120) to determine the wattage. Resistive loads are the easiest for the inverter to run; however, it will not run larger resistive loads (such as electric stoves and heaters), which require far more wattage than the inverter can deliver. Inductive loads (such as TVs and stereos) require more current to operate than do resistive loads of the same wattage rating.

⚠**CAUTION**: Rechargeable Devices

- Certain rechargeable devices are designed to be charged by plugging them directly into an AC receptacle. These devices may damage the inverter or the charging circuit.
- When using a rechargeable device, monitor its temperature for the initial ten minutes of use to determine if it produces excessive heat.
- If excessive heat is produced, this indicates the device should not be used with this inverter.
- This problem does not occur with most of the battery-operated equipment. Most of these devices use a separate charger or transformer that is plugged into an AC receptacle.
- The inverter is capable of running most chargers and transformers. **Protective Features** The inverter monitors the following conditions:

Low internal battery voltage	The inverter will automatically shut down when the battery voltage dro ps too low, as this can harm the battery.
High internal battery voltage	The inverter will automatically shut down when the battery voltage is t oo high, as this can harm the unit.
Thermal shutdown protection	The inverter will automatically shut down when the unit becomes over heated.
Overload/short circuit protection	The inverter will automatically shut down when an overload or short ci rcuit occurs.

MPORTANT NOTES: The Inverter Power/Fault Indicator is located inside the Translucent Inverter/USB Power Button. It will light solid blue when the unit is functioning properly and flash blue to indicate that one of the above fault conditions is present before automatic shutdown occurs. Should this occur, take the following steps:

1. Disconnect all appliances from the unit.
2. Press the Translucent Inverter/USB Power Button to turn the inverter off.
3. Allow the unit to cool down for several minutes.
4. Make sure the combined rating for all appliances plugged into the unit is 200 watts or lower and that appliance cords and plugs are not damaged.
5. Assure there is adequate ventilation around the unit before proceeding.

Using the 120 Volt AC Outlet The 120 volt AC outlet outlet supports a maximum power draw of 200 watts.

1. Press the Translucent Inverter/USB Power Button to turn on the inverter. The Inverter Power/Fault Indicator will light blue to indicate the 120 volt AC outlet and USB Power Port are ready to use.
2. Insert the 120 volt AC plug from the appliance into the 120 volt AC outlet.
3. Switch on the appliance and operate as usual.
4. Periodically press the battery power level pushbutton to check battery status. (When all three battery status LEDs light, it indicates a full battery. Only one red battery status indicator light indicates that the unit needs to be recharged.)

Notes: The Inverter will not operate appliances and equipment that generate heat, such as hair dryers, electric blankets, microwave ovens and toasters.Some laptop computers may not operate with this inverter. Make sure the Translucent Inverter/USB Power Button is pressed to turn the inverter off (the Inverter Power/Fault Indicator is not lit) when the unit is not in use, being recharged or stored. Recharge this unit fully after each use.

USB POWER PORT

1. Press the Translucent Inverter/USB Power Button to turn on the USB Power Port. The Inverter Power/Fault Indicator will light blue to indicate the 120 volt AC outlet and USB Power Port are ready to use. 2. Plug the USB-powered device into the USB Charging Port and operate normally. 3. Periodically press the battery power level pushbutton to check battery status. (When all three battery status LEDs light, it indicates a full battery. Only one red battery status indicator light indicates that the unit needs to be recharged.) **Notes**: This unit's USB Power Port does not support data communication. It only provides 5 volts/2,000mA DC power to an external USB-powered device. Some USB-powered household electronics will not operate with this USB port. Check the manual of the corresponding electronic device to confirm that it can be used with this type of USB port. Not all mobile phones are provided with a charging cable, they are normally data cables which are not supported by this device – please check with your mobile phone manufacturer for the correct charging cable. **IMPORTANT**: If the USB Power Port is not powering the device, turn the USB Power Port off and then on again using the Translucent Inverter/USB Power Button to reset the USB port. Make sure the appliance being powered does not draw more than 2,000mA. Make sure the Translucent Inverter/USB Power Button is pressed to turn the USB Power Port off (the Inverter Power/ Fault Indicator is not lit) when the unit is not in use, being recharged or stored.

12 VOLT DC PORTABLE POWER SUPPLY

This portable power source is for use with all 12 volt DC accessories equipped with a male accessory outlet plug and are rated up to 5 amps.

1. Lift up the cover of the unit 's 12 volt DC outlet.
2. Insert the 12 volt DC plug from the appliance into the 12 volt accessory outlet on the unit. DO NOT EXCEED A 5 AMP LOAD.
3. Switch on the appliance and operate as usual.
4. Periodically press the battery power level pushbutton to check battery status. (When all three battery status LEDs light, it indicates a full battery. Only one red battery status indicator light indicates that the unit needs to be recharged.)

PORTABLE COMPRESSOR

The built-in 12 volt DC compressor is the ultimate compressor for all vehicle tires, trailer tires and recreational inflatables. The compressor hose with tire fitting is stored in a retaining channel on the back of the unit. The On/Off Switch is located on the rear of the unit under the air pressure gauge. The compressor can operate long enough to fill up to 3 average sized tires before the battery must be recharged. The compressor may be used by removing the air hose from the storage compartment and if required, fitting an appropriate nozzle to the air hose. Return hose to the storage compartment after use.

Inflating Tires or Products With Valve Stems

1. Screw the SureFit™ nozzle connector onto the valve stem. Do not overtighten.
2. Turn on the Compressor Power Switch.
3. Check pressure with the pressure gauge.
4. When desired pressure is reached, turn off the Compressor Power Switch.
5. Unscrew and remove the SureFit™ nozzle connector from the valve stem.
6. Allow the unit to cool before storing away.
7. Store the compressor hose and nozzle in the storage compartment.

Inflating Other Inflatables Without Valve Stems Inflation of other items requires use of one of the nozzle

adapters.

1. Select the appropriate nozzle adapter (i.e, needle).
2. Screw the adapter into the SureFit™ nozzle connector. Do not overtighten.
3. Insert the adapter into item to be inflated.
4. Turn on the Compressor Power Switch — inflate to desired pressure or fullness.
   IMPORTANT NOTE: Small items such as volleyballs, footballs, etc. inflate very rapidly. Do not overinflate.
5. When desired pressure is reached, turn off the Compressor Power Switch.
6. Disconnect the adapter from the inflated item.
7. Unscrew and remove the adapter from the SureFit™ nozzle connector.
8. Allow the unit to cool before storing away.
9. Store the compressor hose, nozzle and adapter in the storage compartment.
   WARNING: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:
   1. Follow all safety instructions found in the “Specific Safety Instructions For Compressors” section of this instruction manual.
   2. Recharge the unit fully after each use.

LED AREA LIGHT

The LED area light is controlled by the Area Light power switch on top of the light. Make sure the area light is turned off when the unit is being recharged or stored. Periodically press the battery power level pushbutton to check battery status. (When all three battery status LEDs light, it indicates a full battery. Only one red battery status indicator light indicates that the unit needs to be recharged.)

TROUBLESHOOTING

Problem	Solution
Unit will not charge	• Make sure the compressor power switch is in the off position. • Make sure a suitable gage extension cord is properly connected to both t he unit and a functioning AC outlet.
Unit fails to jump-start	• Make sure jump-starter power switch is in the on position. • Make sure a proper polarity cable connection has been established. • Check that unit has a full charge. Recharge unit if necessary.

120 volt AC outlet will notpower appliance	• Make sure the appliance being powered does not draw more than 200 wa tts. • Make sure the Translucent Inverter/USB Power Button is in the on positio n. • Make sure you have followed all the steps in the 120 AC portable power s upply instructions carefully. • Refer to the important notes included in that section that explain common problems and solutions. • Check that unit has a full charge. Recharge unit if necessary.
12 volt DC portable power suppl y will not power appliance	• Make sure the appliance does not draw more than 5 amps. • Check that the unit has a full charge. Recharge unit if necessary.
USB Power Port will not power appliance	• Make sure the appliance being powered does not draw more than 2,000m A. • Some USB-powered household electronics will not operate with this USB Power Port. Check the manual of the corresponding electronic device to confirm that it can be used with this type of USB power port. • Make sure the Translucent Inverter/USB Power Button is in the on positio n. • The USB Power Port may need to reset. Turn the USB Power Port off and then on again using the Translucent Inverter/USB Power Button to reset t he USB Power Port. • Check that unit has a full charge. Recharge unit if necessary.
Portable Compressor will not infl ate	• Make sure the Compressor power switch is in the on position. • Make sure the SureFit™ nozzle connector is securely screwed on to the v alve stem when attempting to inflate tires; or that the nozzle adapter is securely screwed into the SureFit™ nozzle connector and is inserted pro perly into the item to be inflated on all other inflatables. • The compressor may be overheated. Press the compressor power switch to turn the compressor off. Restart after a cooling down period of approxi mately 30 minutes. • Check that unit has a full charge. Recharge unit if necessary.
LED Area Light does not come o n	• Make sure the area light power switch is in the on position • Check that unit has a full charge. Recharge unit if necessary.

CARE AND MAINTENANCE

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 is charged at least every 30 days. Never submerge this 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. Contact manufacturer to replace any components that have become worn or broken.

Battery replacement/disposal BATTERY REPLACEMENT 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 and maintenance of the battery by the end user. Contact manufacturer for any information you may need. SAFE BATTERY DISPOSAL Contains a maintenance-free, sealed, non-spillable, lead acid 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.
- Before disposing of the battery, protect exposed terminals with heavy-duty electrical tape to prevent shorting (shorting can result in injury or fire).
- Do not expose battery to fire or intense heat as it may explode.

ACCESSORIES

Recommended accessories for use with this unit are available from the manufacturer. If you need assistance regarding accessories, please contact manufacturer at 855-806-9228 (855-806-9CAT). ⚠WARNING: The use of any accessory not recommended for use with this appliance could be hazardous.

SERVICE INFORMATION

Whether you need technical advice, repair, or genuine factory replacement parts, contact the manufacturer at 855-806-9228 (855-806-9CAT).

ONE-YEAR LIMITED WARRANTY

The manufacturer warrants this product against defects in materials and workmanship for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser (“Warranty Period”). If there is a defect and a valid claim is received within the Warranty Period, the defective product can be replaced or repaired in the following ways: (1) Return the product to the manufacturer for repair or replacement at manufacturer’s option. Proof of purchase may be required by manufacturer. (2) Return the product to the retailer where product was purchased for an exchange (provided that the store is a participating retailer). Returns to retailer should be made within the time period of the retailer’s return policy for exchanges only (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges. This warranty does not apply to accessories, bulbs, fuses and batteries; defects resulting from normal wear and tear, accidents; damages sustained during shipping; alterations; unauthorized use or repair; neglect, misuse, abuse; and failure to follow instructions for care and maintenance for the product. This warranty gives you, the original retail purchaser, specific legal rights and you may have other rights which vary from state to state or province to province. Please complete the Product Registration Card and return within 30 days from purchase of the product to: Baccus Global LLC, toll-free number: 855-806-9228 (855-806-9CAT).

SPECIFICATIONS

- Boost Ampere: 12Vdc, 500A instantaneous

- Battery Type: Maintenance-free, sealed lead acid, 12 volt DC, 19Ah
- AC input: 120Vac, 60Hz, 12W
- 120V AC outlet: 120Vac, 60Hz, 200W continuous
- USB Port: 5Vdc, 2A
- DC Accessory Outlet: 12Vdc, 5A
- Compressor Maximum Pressure: 120 PSI
- LED Area Light: 3 white LEDs

Imported by Baccus Global, LLC,, 595 S. Federal Highway, Suite 210, Boca Raton, FL 33432 **www.Baccusglobal.com** • Toll-free: 855-806-9228 (855-806-9CAT) or International: 561-826-3677 RD030315

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FAQS

Led light is all the time how to turn off

Led stays on when charging, when fully charged press power button twice and led will go off within a couple seconds.
Turns on anytime a function is used stays on until unit is turned off fully charged.

Will it run a sump pump during a power outage?

The 120VAC outlet on this jump starter is rated at 200watts maximum output. Which will run about 30 minutes to 1 hr at the maximum wattage draw and state of battery charge on the jump starter and age/number of charge cycles on internal battery.
Starting or surge wattage on a sump pump can be 6 to 10 times the running wattage. So a sump pump rated at180-200watts running could go up to 1800w to 2000w during startup. Which would overload the Jump starter capacity either damaging or shutting down the Jump Starter.

How do you recharge it?

Plug into an electrical outlet to recharge.

Is there a compartment to store the plug that charges this unit?

No. just use a Velcro strip and attach it to the handle

How many nights will this operate a cpap machine?

Suspect if could run 1 entire night, NOT worth trusting safety and medical health to this machine.
An appropriately sized inverter and charged 12v dc batteries are better backup.

How many times will it fully charge a dead cell phone? how many times will it charge camping led hanging like? how many time will it charge a dead lap

It will charge it numerous times. Battery last a long time.

How can you charge this with a solar panel?

Plug panel into charge controller, controller to inverter plug jump box into inverter. Solar panels are DC jump box requires AC to charge.
Solar panels require Charge controllers to keep 12v batteries from overcharging, inverters convert 12v dc to 20 amp 120v AC which is used to charge jump box.

Want to power paddle board air pump. Is there a way to hook up a 12v cigar lighter socket power outlet socket receptacle?

No, there is no 12v cigar receptacle.

Can the tire inflator be used while it's being charged? Even when the unit is low on charge?

No

is internal battery replaceable in CAT?

It can be done because the battery inside is standard sealed lead acid battery, but there are no instructions on how open this up to get at the battery.

Can this be taken in an airplane?

no.

How long does this take to charge?

The instruction manual says:
THIS COMES PARTIALLY CHARGED. IT MUST BE CHARGED CONTINUOUSLY FOR 40 HOURS BEFORE THE AIR COMPRESSOR WILL FUNCTION PROPERLY

How much time can it run a 200w small heater?

No more than 5 minutes

Can ot Jumpstart a motorcycle

Yes it can…. But you should be careful as you can overload the motorcycles electrical system

will this start a dodge ram 1500 v8 truck

This unit is a 12v battery charger. It will help start anything that depends on a 12v battery.

How many hours will this last charging a phone? Or a fan? Etc

Tested a medium size fan. Fully charged it ran for almost and hour.

How much time can it run a 200w small heater?

No more than 5 minutes

will this power a tv?

Look at UL tag on Tv to see wattage required to operate Tv, if over jump box inverter output, no, if under wattage output, of jump box yes, for a limited amount of time.

Is this Cat jump start waterproof?

No, absolutely not waterproof.

www.catautopower.com

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