

Century

Battery Charger

**PORTABLE POWER SOURCE
USER'S MANUAL**

**UNIDAD PORTÁTIL DE
ALIMENTACIÓN ELÉCTRICA**

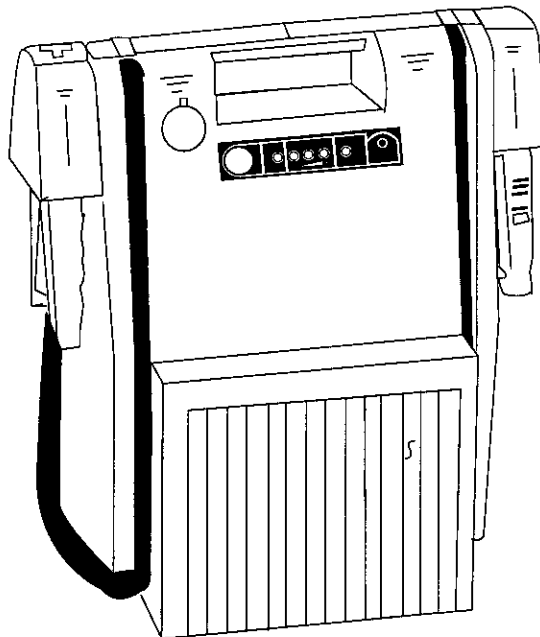
**ALIMENTATION PORTABLE
MANUEL DE L'UTILISATEUR**

**FONTE DE ENERGIA PORTÁTIL
MANUAL DO USUÁRIO**

**DRAAGBARE ELEKTRICITEITSBRON
GEBRUIKSAANWIJZING**

MODELS:

ES-6000
ES-6500
ES-8000
ES-8500



ENGLISH

ESPAÑOL

FRANÇAIS

PORTUGUÊS

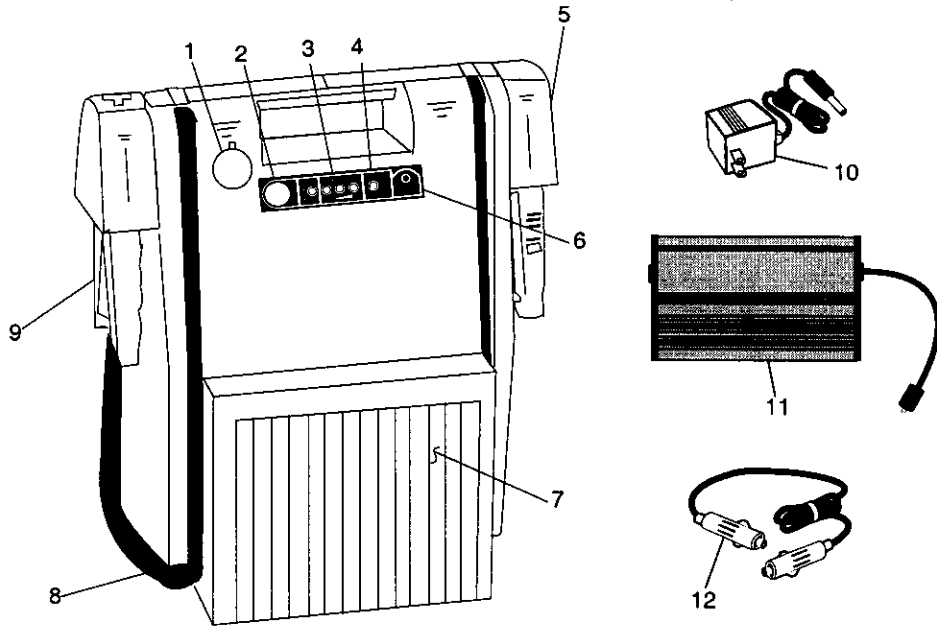
NEDERLANDS

INTRODUCTION

This unit has a sealed lead acid battery that should be kept at full charge. Recharge when first received, immediately after each use, and every three months if not used. Failure to maintain a full charge may cause the battery life to be reduced greatly. This unit contains a smart circuit which allows it to be left on charge continuously without damage.

Dear Customer: CONGRATULATIONS. You have just purchased the finest quality portable power source and engine starters on the market. We have taken numerous measures in quality control and in our manufacturing processes to ensure that your product arrives in top condition, and that it will perform to your satisfaction. In the rare event that your portable power source contains a damaged or missing item, does not perform as specified, or requires warranty service, **DO NOT RETURN YOUR PORTABLE POWER SOURCE TO THE STORE.**

Please call our TOLL FREE NUMBER in the United States (800-328-2921), or Canada (800-668-8642) and ask for Technical Service. Our technical service representative will expedite delivery of your part. If your product needs warranty service, our technical service representative will help you obtain the fastest remedy possible under the warranty. **Save your purchase receipt, it is required for warranty service.**



- | | |
|--|------------------------------------|
| 1. 12 Vdc Power Receptacle | 7. Case |
| 2. Test Button | 8. Flexible Heavy Duty Cables |
| 3. State of Charge Indicators | 9. Heavy Duty Clamps |
| 4. CHARGED indicator (charge complete) | 10. Wall Charger |
| 5. Safety Storage Holsters | 11. Inverter (optional) |
| 6. Charging Socket | 12. Power Charging Cord (optional) |

Figure 1. Portable Power Source and Accessories

Consumer: Retain these instructions for future use. Read all instructions carefully before using this portable power source.

PORTABLE POWER SOURCE FEATURES

- Provides plenty of power for starting vehicles. More than enough to start most cars. May also be used in DEEP CYCLE applications.
- The portable power source will power most 12 Vdc accessories equipped with a male cigar lighter plug. The dc outlet has automatic overload protection.
- Test switch and LED lights. State of the art circuit. For a complete test, push test button for 10 seconds, if the three red lights stay on, the portable power source is fully charged.
- Safety storage holsters prevent accidental sparking of clamps and rotate 90° for easy clamp removal.
- Cable grooves lock the cables for clean storage. (No unsightly dangling wires).
- The portable power source contains the latest technology with its sealed non-spillable battery. The portable power source may be stored in any position.

Accessories

1. Wall charger (see 10, Figure 1)
 - **ES-6000:**
ESA-26
(1.5 Amp 12 Vdc Charger)
 - **ES-8000:**
ESA-210
(0.75 Amp 24 Vdc Charger)
 - **ES-6500 & ES-8500:**
(varies by country)
2. Inverter (sold separately, see 11, Figure 1)
 - **ES-6000 & ES-6500:**
SBPI-175, SBPI-300, SBPI-600
(12 VDC to 120 VAC)

Note: Use of an inverter using 240 watts or more requires the connection to be made through the clamps instead of the 12 Vdc power receptacle.

3. Optional power charging cord (see 12, Figure 1)

- **ES-6000 & ES-6500:**
ESA-21

SAFETY SUMMARY

SAVE THESE INSTRUCTIONS— This manual contains important safety and operating instructions.



Contains sealed, non-spillable lead acid battery. Must be disposed of properly.

IMPORTANT SAFETY INFORMATION



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 essential that you read this manual and follow the instructions exactly.
- To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of battery. Review cautionary marking on these products and on engine.
- Someone should be within range of your voice or close enough to come to your aid when you work near a lead-acid battery.
- Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
- Wear complete eye protection and clothing protection. Avoid touching eyes while working near battery.
- 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.

- **NEVER** smoke or allow a spark or flame in vicinity of battery or engine.
- Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short circuit battery or other electrical part that may cause explosion.
- 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.
- Use portable power source for charging or boosting **LEAD-ACID** battery 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.
- **NEVER** charge or boost a frozen battery.
- **NEVER** allow clamps to touch together or to contact the same piece of metal to prevent arcing.
- Use of an attachment not recommended or sold by the manufacturer, may result in a risk of damage to the unit, or injury to personnel.
- When using the wall charger or power extension cord, pull on the plug and **NEVER ON THE WIRE** when disconnecting.
- Do not recharge the portable power source with a damaged wall charger or power extension cord. Replace them immediately.
- The portable power source may be used under any weather condition. Rain, snow, hot, or cold temperatures. However, recharging the unit should only be done indoors.

- Do not submerge in water.
- Do not operate with flammables such as gasoline etc.
- If the portable power source receives a sharp blow or is otherwise damaged, in any way, have it checked by a qualified service person. If the portable power source is leaking battery acid do not ship it. Take it to the closest battery recycler in your area.
- Do not disassemble the portable power source. Have it checked by a qualified service person.
- *The portable power source should never be left in a total discharged state for any period of time. Damage to the battery could be permanent with poor performance as a result. When not in use, leave the portable power source connected to the wall charger or recharge every three (3) months.*

OPERATING INSTRUCTIONS

CHARGING YOUR NEW PORTABLE POWER SOURCE

Your Portable Power Source was precharged at the factory. It is best for the battery in the Portable Power Source be kept at full charge. We recommend that you should leave the Portable Power Source plugged in to the wall outlet until it is required for use. The charging circuit is automatic, and will not overcharge when using the wall charger. When all the power level lights and the charged light come on while charging or the test button is pressed, your unit is fully charged.



Figure 2. Test Button & Charge Lights

CHECKING POWER LEVEL

Check power level of the Portable Power Source with the test button. Lights will come on in sequence from empty to the charged light. The CHARGED LIGHT will come on when the test button is depressed and the Portable Power Source has a full charge.

RECHARGING THE PORTABLE POWER SOURCE

Note: There are two ways to charge the portable power source. The first method is automatic charging with the provided wall charger (preferred). The second is through the 12 Vdc power receptacle using the power charging cord. The second method is not automatic and requires watching because the portable power source could be damaged due to overcharging. The second method will only charge one of the two batteries in the ES-8000 & ES-8500, so it is not recommended for these units.

1. With the wall charger. The portable power source is automatically charged using the wall charger. A CHARGING JACK (found on the front of your portable power source) is connected through a *smart* circuit board to the portable power source making recharging automatic. If your Portable Power Source is completely discharged, it may take up to 30 hours for recharging. Overcharging is not a problem when using the wall charger and the portable power source can be left connected to the wall charger indefinitely.
 - a. Insert the wall charger plug (see 6, Figure 1) into the CHARGING JACK (mounted on the front of the portable power source)
 - b. Connect the wall charger AC/DC ADAPTOR to the ac outlet (the CHARGING light will light).

- c. Allow the portable power source to charge until the CHARGED light comes on (you can monitor the progress by checking the red POWER LEVEL lights – when all three POWER LEVEL lights are lit the CHARGED light should eventually come on).
- d. Once the CHARGED light comes on, charge another three to six hours, (three hours is acceptable but to ensure maximum output capability, six hours is preferred).
- e. If you are not going to need the portable power source right away you may leave the wall charger connected to the portable power source. We recommend that the wall charger remain connected to the portable power source whenever the portable power source is not in use.

2. With the Optional Charging Cord. Start the vehicle engine. Plug one end of the power extension cord into the portable power source power receptacle and the other end into a vehicle lighter outlet. Press the test button once every hour to check the POWER LEVEL. When all of the red lights and the charged light come on, charge the portable power source another 1 to 2 hours to insure a complete recharge. **DO NOT OVERCHARGE!** This is NOT an automatic method of charging the portable power source. You must frequently monitor the charging process (POWER LEVEL indicators by pressing the TEST button) to ensure the portable power source is not overcharged. Overcharging with this method will damage your portable power source.

Note: Test button needs to be pressed to check power level and charged light.

USED AS AN EMERGENCY JUMP STARTER

NOTE: For maximum power, do not store below 50° when using as a jump starter.



WARNING

RISK OF INJURY FROM MOVING PARTS.

- NEVER connect the Portable Power Source clamps to a vehicle when the engine is running.
 - ALWAYS stay clear of fan blades, fan belts, pulleys and other moving engine parts when working near an engine. Moving engine parts can cause severe personal injury including dismemberment.
 - ALWAYS make sure that the Portable Power Source cables and clamps are positioned so they will not come in contact with any moving engine parts.
1. Turn ignition off before making cable connections.
 2. Do not touch RED (POS +) clamp to BLACK (NEG -) clamp.
 3. Use in well ventilated area.
 4. Shield eyes.
 5. Clamp the positive (red, +) clamp to the positive terminal on the weak battery (for negative ground system).
 6. Clamp the negative (black, -) clamp to the engine (ground). Make sure cables are not in the path of moving belts or fan. Do not connect to the negative clamp to any fuel lines.
 7. Stay clear of batteries while jump starting.
 8. Start the vehicle.

Note: If the vehicle doesn't start within 6 seconds, let the TRUCK PAC's internal battery cool for three (3) minutes before attempting to start the vehicle again or damage to the unit may occur.

9. Disconnect the negative (black cable) clamp from vehicle ground (the engine).
10. Disconnect the positive (red cable) clamp from the positive (POS, +) battery terminal.
11. Return the clamps to their holsters for storage.

USED AS AN ALTERNATIVE POWER SUPPLY FOR VEHICLES (FOR 12 VOLT SYSTEMS ONLY)

The portable power source is an ESSENTIAL tool for all who replace automobile batteries. Most vehicles have some type of electronic component with memory, such as alarm systems, computers, radios, phones, etc. and when the vehicle's battery is replaced, memory is lost. However, if the power extension cord is plugged from the portable power source to the cigar lighter outlet on the vehicle, the memory can be saved.

MULTI PURPOSE POWER SUPPLY

The ES-6000, ES-6500, ES-8000, and ES-8500 are also portable power sources for most 12 Volt accessories with a male cigar lighter plug.

When used with an inverter, they can operate appliances normally powered by 120 Vac or 240 Vac.

Note: Use of an inverter using 240 watts or more requires the connection to be made through the clamps instead of the 12 Vdc power receptacle.

USED AS A 12 VOLT DC BATTERY CHARGER

1. Plug the power extension cord from the portable power source to the vehicle's 12Vdc cigar lighter outlet for 30 minutes.

NOTE: Some vehicle's ignition keys must be turned to accessory to activate the cigar lighter socket.

2. Remove the power extension cord and start the car.

NOTE: A defective battery may refuse to accept a charge from the portable power source.

TROUBLESHOOTING

Problem: 1 or 2 lights come on, charger is plugged in for 24 hours and there is no change in status of lights.

Answer: Check charger to see if it is charging. Charger should be warm. The charging light on the Portable Power Source should also be lit if there is a good connection.

Problem: Charger is working (it's warm) but still no change in status of lights.

Answer: Possible defective battery.

Problem: When the test button is pushed, no lights come on, but when the charger is plugged into the portable power source, all the lights come on.

Answer: Defective battery.

Question: What will cause a battery to go bad?

Answer: Intense use without allowing a cool down period: SEE NOTE: USED AS AN EMERGENCY JUMP STARTER.

Problem: Portable power source is fully charged but will not start an engine.

Answer: Check where the wire meets the jaw on the portable power source clip. Make sure they are well crimped. Move the clamps back and forth to verify a

good connection on the vehicle. Only one side of the clamp carries power—make sure the side with the cable is connected to bare metal on the vehicle.

Problem: When trying to use an accessory through the cigar lighter outlet on the portable power source, I heard a clicking sound coming from inside the portable power source.

Answer: The accessory is drawing too many amps, causing the internal circuit breaker to cycle ON and OFF. The accessory may be drawing more than 20 amps or there may be a problem with the accessory (such as a short circuit) that is causing the overload condition.

QUESTIONS & ANSWERS

Question: How many jump starts can a fully charged Booster pac do before needing to be recharged?

Answer: 1 to 30. Factors are temperature, general condition of vehicle, engine type and size.

Question: Can the portable power source's battery be replaced?

Answer: Yes, call Rapid Repair Service at US (800) 328-2921 CANADA (800) 668-8642.

Question: Can the portable power source be recycled?

Answer: Yes, the environment was one of our main concerns

in the development and designing of the portable power source. Most battery outlets can dispose of this product at its life's end.

Question: What is the ideal in-use storage temperature of the portable power source?

Answer: Room temperature. The portable power source will also operate at below zero temperatures, however its power will be less. Intense heat will accelerate self discharge.

Question: I have a regular 10 amp battery charger, can I use it to recharge the portable power source?

Answer: No, only the wall charger supplied with the Portable Power Source should be used. A higher amp charger may damage the batteries.

Question: Is the portable power source goof proof?

Answer: No. Jump starting instructions must be followed. See back of portable power source.

Question: I'm recharging my portable power source, should the charged light immediately come on?

Answer: No. The charged light will only come on once the Booster pac approaches full charge. However, the charging light (first one on left) should come indicating that charging is taking place.

!!! IMPORTANT !!!

BATTERY REMOVAL AND DISPOSAL



Contains sealed, non-spillable lead acid battery. Must be disposed of properly.

The battery inside this portable power source is a sealed lead-acid battery. By LAW, it is required to be removed and recycled or disposed of properly. While there are federal regulations that must be followed throughout the United States, your individual state or local governments may have additional regulations to be followed in your area.

When the battery in this product is in need of replacement, remove it according to the instructions provided below and take it to your local recycling center for proper recycling or disposal. If you don't have a local recycling center that handles sealed lead-acid batteries, contact your local environmental agency for instructions.

Battery Removal Instructions

Begin by making sure that both booster clamps are securely stowed in their holsters on each side of the portable power source.

1. Remove all 13 screws (4 on the left side, 4 on the right side, 4 on the bottom, and 1 under the front label near the top). Then lift off the back cover.
2. Remove the cables from the battery or batteries.
3. Lift the battery out of the front half of the enclosure.
4. To install a new battery, reverse the above procedure.

Note: Remember that the red wires connect to the positive (+) battery terminal and the black wires connect to the negative (-) battery terminal.