



## OWNERS MANUAL

Models: XP400, XP750C

INSTANT POWER™

Jump Starter and DC Power Source



XP400



XP750C

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

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

**NO use el cargador de baterías hasta que haya leído y comprendido completamente el manual del usuario.** Si usted desea una versión en español de esta edición, visite nuestra página en la red localizada en [www.batterychargers.com](http://www.batterychargers.com) así podrá obtener un instructivo del cargador de baterías en español. Si usted no tiene acceso a la red y necesita asistencia, llame Servicios al Cliente al (800) 621-5485.





**THIS UNIT CONTAINS A SEALED, NON-SPILLABLE  
LEAD-ACID BATTERY. MUST BE DISPOSED OF PROPERLY.  
ESTA UNIDAD CONTIENE UNA BATERÍA SELLADA  
DE ÁCIDO-PLOMO NO DERRAMABLE QUE DEBE  
DESECHARSE APROPIADAMENTE.**

**WARNING:** Possible explosion hazard. Contact with battery acid may cause severe burns and blindness. Keep out of reach of children.

**ADVERTENCIA:** Posible Riesgo de una explosión. El contacto con una batería de ácido puede causar quemaduras y ceguera. Manténgase alejado de los niños.

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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 INSTANT POWER.

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 marking on these products and on the engine.

**WARNING:** Pursuant to California Proposition 65, this product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

- Keep out of reach of children.
- Do not disassemble the Instant Power. Take it to a qualified service professional if service or repair is required. Incorrect assembly may result in fire or electrical shock.
- Do not use the Instant Power to jump a vehicle while charging the internal battery.
- Do not recharge the Instant Power with a damaged extension cord.
- The Instant Power gets hot during charging and must have proper ventilation.
- Do not set the Instant Power on flammable materials, such as carpeting, upholstery, paper, cardboard, etc.
- Place the Instant Power as far away from the battery being jumped as the cables will permit.
- Do not expose the Instant Power to rain or snow.
- Never place the Instant Power directly above battery being jumped.
- To prevent arcing, never allow the clamps to touch together or to contact the same piece of metal.
- Use of an attachment not recommended or sold by Schumacher® Electric Corporation may result in damage to the unit or personal injury.
- Never operate the Instant Power if it is damaged.
- If someone else uses the Instant Power, ensure they are well informed on how to use it safely, and have read and understood the operating instructions.
- The Instant Power is NOT designed to be installed as a replacement for a vehicle battery.
- Use ONLY on vehicles, boats and garden tractors powered with a 12V DC battery system.
- If the engine fails to start after the recommended number of attempts, disconnect the unit and look for other problems that may need to be corrected.
- Use the Instant Power for jump starting lead-acid batteries only. Do not use for dry cell batteries that are commonly used with home appliances.

## 2. PERSONAL SAFETY PRECAUTIONS

- Wear complete eye protection and protective clothing when working near lead-acid batteries. Always have someone nearby for help.
- Have plenty of fresh water, soap and baking soda nearby for use, in case battery acid contacts your eyes, skin, or clothing. Wash immediately with soap and water and seek medical attention.
- If battery acid comes in contact with eyes, flush eyes immediately for a minimum 10 minutes and get medical attention.
- Neutralize any acid spills thoroughly with baking soda before attempting to clean up.
- Remove all personal metal items from your body, such as rings, bracelets, necklaces and watches. A battery can produce a short circuit current high enough to weld a ring to metal, causing a severe burn.
- Never smoke or allow a spark or flame in the vicinity of the battery or engine.

### 3. FEATURES



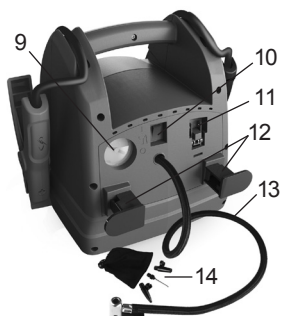
#### XP400

1. Battery status button
2. Battery status indicators
3. Built-in work light
4. Worklight ON/OFF switch
5. 12V DC power outlet
6. Battery clamps



#### XP750C

1. Worklight ON/OFF switch
2. Rotary switch for USB and jump starter
3. Built-in work light
4. Battery status indicators
5. Battery status button
6. USB port
7. 12V DC power outlet
8. Battery clamps



9. Air compressor gauge
10. Air compressor ON/OFF switch
11. Internal battery charger port
12. Air compressor hose wrap cleats
13. Air compressor hose
14. Air compressor adapters and storage bag

### 4. CHARGING THE INTERNAL BATTERY OF THE INSTANT POWER

**IMPORTANT!** CHARGE IMMEDIATELY AFTER PURCHASE, AFTER EACH USE AND EVERY 30 DAYS, TO KEEP THE INSTANT POWER'S INTERNAL BATTERY FULLY CHARGED AND PROLONG BATTERY LIFE.

#### CHECKING THE LEVEL OF THE INTERNAL BATTERY

Press the **Battery Status** button on the front of the unit. The LED lights will indicate the current charge level as follows:

**RED** – less than 20% of full charge; immediately charge the unit.

**YELLOW/ORANGE** – 20-80% of full charge.

**GREEN** – more than 80% of full charge.

#### CHARGING THE INTERNAL BATTERY

Charge the internal battery for the Instant Power using an extension cord (not included).

**NOTE:** Use of an improper extension cord could result in a risk of fire and electric shock.

1. To charge, flip the AC connector on the back of the unit **DOWN** and plug in an 18 AWG or larger extension cord.
2. Plug the extension cord into a 120VAC electrical wall outlet.
3. While the jump starter is charging, the **RED LED** will be on. Complete charging may take up to 72 hours. When the **RED LED** turns off, the jump starter is ready to use.

4. When the internal battery is fully charged, the charger will automatically go into maintain mode and maintain the battery at full charge without damaging it. When in maintain mode, the **GREEN LED will pulse**, as long as there is an AC cord connected to the charging port.
5. Charge the jump starter as soon as possible after use.

### CHARGING THE INTERNAL BATTERY WHILE DRIVING

You may also charge the internal battery while driving, using a male-to-male charger cable (part number 94500109 – not included).

**IMPORTANT:** DO NOT CHARGE INTERNAL BATTERY FOR MORE THAN 30 MINUTES OR LEAVE THE BATTERY UNATTENDED. IT COULD EXPLODE, CAUSING PROPERTY DAMAGE OR PERSONAL INJURY.

1. Make sure the car is running.
2. Insert one end of the accessory cable into the 12V DC power outlet.
3. Insert the other end of the accessory cable into the vehicle's accessory outlet (lighter socket).

**NOTE:** The **RED LED** does not operate during this method of charging. Using this method to charge the battery overrides the maintain mode and the battery can be overcharged.

4. Monitor the progress of the charge by pressing the **Battery Status** button on the front of the unit. When the battery is fully charged, disconnect the accessory cable from the Instant Power, then from the lighter socket of the vehicle.

**NOTE:** Completely disconnect the charger cable when the engine is not running.

## 5. USING THE INSTANT POWER

**IMPORTANT:** Using the Engine Start feature without a battery installed in the vehicle will damage the vehicle's electrical system.

1. Turn the ignition OFF.
2. Lay the DC cables away from any fan blades, belts, pulleys and other moving parts.
3. For a negative-ground vehicle (as in most vehicles), connect the Instant Power'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.
4. For a positive-ground vehicle, connect the Instant Power'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.
5. Turn the switch to the ON position (does not apply to the XP400). **NOTE:** The XP400 is equipped with an auto-start feature. It will not supply current to the battery clamps until a battery is properly connected. The clamps will not spark if touched together.

6. Crank the engine for no more than 8 seconds. If the engine does not start, wait 2 minutes before cranking again.
7. After the engine starts, turn the switch to the OFF position and remove the Instant Power from the battery.
8. Charge the Instant Power.

### USING THE USB PORT (Model XP750C)

The USB port provides up to 2A at 5V DC.

1. Ensure the battery clamps are securely clipped on the storage holders.
2. Turn the Instant Power ON.
3. Plug your device into the USB port.
4. When finished using the USB port, turn the switch to the OFF position.
5. Charge the Instant Power.

### USING THE WORK LIGHT

The work light is controlled by a sliding ON/OFF switch located on the front of the Instant Power. Make sure the lamp is turned OFF when the unit is being recharged or stored.

Position the Instant Power on a flat, stable surface near the intended work area.

Ensure the battery clamps are securely clipped on the storage holders.

## POWERING A 12V DC DEVICE

The Instant Power is a power source for all 12V DC accessories that are equipped with a 12V accessory plug. Use it for power outages and on fishing or camping trips.

**NOTE:** Do not power a 12V device with the Instant Power while charging the internal battery.

1. Make sure the device to be powered is OFF before inserting the 12V DC accessory plug into the 12V DC accessory outlet.
2. Open the protective cover of the DC power outlet on the Instant Power.
3. Plug the 12V DC device into the DC power outlet and turn on the 12V DC device (if required).
4. When finished, turn off the DC device (if required) and unplug from the DC power outlet.

**CAUTION:** Do not use the Instant Power to run appliances that draw more than 15A DC.

**NOTE:** Extended operation of a 12V DC device may result in excessive battery drain. Recharge the Instant Power immediately after unplugging the 12V DC device.

### Estimated run-times

| APPLIANCE TYPE             | EST WATTAGE | XP400   | XP750C  |
|----------------------------|-------------|---------|---------|
| Cell phone                 | 4 watts     | 13 hrs  | 34 hrs  |
| Fluorescent light          | 4 watts     | 15 hrs  | 34 hrs  |
| Radios, fans               | 9 watts     | 6.7 hrs | 14 hrs  |
| Depth finder               | 9 watts     | 6.7 hrs | 14 hrs  |
| Camcorder                  | 15 watts    | 4 hrs   | 7 hrs   |
| Electrical tool            | 24 watts    | 2.5 hrs | 5 hrs   |
| Electric cooler            | 48 watts    | 1.3 hrs | 2 hours |
| Car vacuum, air compressor | 80 watts    | 0.8 hrs | 1.8 hrs |

**NOTE:** Actual time may vary. Times are based on the internal battery being fully charged.

## USING THE AIR COMPRESSOR

### (Model XP750C)

**WARNING.** Read the instructions of the product being inflated before using the compressor. Avoid overinflation; do not exceed the manufacturer's recommended pressures. Do not leave the air compressor unattended during use.

**NOTE:** Wrap cleats are provided for convenient storage of the air compressor hose. Wrap the hose around these cleats when the hose is not in use.

1. Remove the air compressor hose from the storage cleats.
2. Connect the adaptor to the valve stem and close the thumb latch. If necessary, use one of the additional adaptors.
3. Press the air compressor power switch to turn ON and inflate to the desired pressure or fullness (refer to the gauge next to the switch).
4. When the desired pressure is reached, press the air compressor power switch to turn OFF, open the thumb latch and remove the connector from the valve stem.
5. Allow unit to cool.
6. Recharge the unit before storing.

**NOTE:** The air compressor is rated for 150 PSI.

### Estimated time for inflating

|                      |              |
|----------------------|--------------|
| Vehicle tires 13-16" | 6-24 minutes |
| Bike tires           | 1-3 minutes  |
| Sports balls         | 30 seconds   |

These times are approximate. Use the air compressor gauge to ensure the proper pressure has been reached. Do not overinflate.

## 6. MAINTENANCE AND CARE

- Clean the clamps and the case each time you are finished using it.
- Recharge the unit once a month when not in use.
- Store clamps on their support posts, to ensure they do not come into contact with any metallic surface.
- Never completely discharge the internal battery.

## 7. TROUBLESHOOTING

| PROBLEM                                               | POSSIBLE CAUSE                                             | REASON/SOLUTION                                                                                                           |
|-------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| The Instant Power won't jump start my car.            | Clamps are not making a good connection to the battery.    | Check for poor connection to battery and frame. Make sure connection points are clean.                                    |
|                                                       | Connections are reversed.                                  | Disconnect the Instant Power and reverse the clamps.                                                                      |
|                                                       | The Instant Power's battery is not charged.                | Press the Battery Status button on the front of the unit. The LEDs will indicate the status of charge.                    |
|                                                       | The vehicle's battery is defective.                        | Have the battery checked.                                                                                                 |
| The Instant Power won't power my 12V device.          | Model XP750C: the Instant Power is not turned on.          | Turn the Instant Power ON/OFF switch to the ON position.                                                                  |
|                                                       | The 12V device is not turned on.                           | Turn on the 12V device.                                                                                                   |
|                                                       | The Instant Power's battery is not charged.                | Check the battery charge status by pressing the Battery Status button.                                                    |
|                                                       | The 12V device draws more than 15A or has a short circuit. | Disconnect the 12V device. The internal breaker will automatically reset after a minute or two. Try the 12V device again. |
| The battery in the Instant Power won't hold a charge. | The battery is bad (will not accept a charge).             | Have the battery checked.                                                                                                 |
| The compressor shuts off.                             | The compressor is overheated.                              | Allow to cool for a few minutes, then try again.                                                                          |

8. BEFORE RETURNING FOR REPAIRS

If these solutions do not eliminate the problem, or for more information about troubleshooting, contact customer service for assistance:

services@schumacherelectric.com  
www.batterychargers.com  
or call 1-800-621-5485  
Monday-Friday 7:00AM to 5:00PM CST

For **REPAIR OR RETURN**, contact Customer Service at 1-800-621-5485.  
**DO NOT SHIP UNIT** until you receive a **RETURN MERCHANDISE AUTHORIZATION (RMA)** number from Customer Service at Schumacher Electric Corporation.

9. SPECIFICATIONS

XP400

Internal battery type .....Sealed, maintenance-free, AGM, lead-acid  
Nominal voltage ..... 12V DC  
12V DC power output..... 15A fuse

XP750C

Internal battery type .....Sealed, maintenance-free, AGM, lead-acid  
Nominal voltage ..... 12V DC  
12V DC power output..... 15A fuse

10. REPLACEMENT PARTS/ACCESSORIES

Male-to-male accessory cable ..... 94500109  
SPUSB 2.0 Amp dual USB 12V plug ..... 94500750

## 11. LIMITED WARRANTY

**SCHUMACHER ELECTRIC CORPORATION, 801 BUSINESS CENTER DRIVE, MOUNT PROSPECT, IL 60056-2179, MAKES THIS LIMITED WARRANTY TO THE ORIGINAL RETAIL PURCHASER OF THIS PRODUCT. THIS LIMITED WARRANTY IS NOT TRANSFERABLE OR ASSIGNABLE.**

Schumacher Electric Corporation (the "Manufacturer") warrants this Instant Power for one (1) year and the internal battery for ninety (90) days from the date of purchase at retail against defective material or workmanship that may occur under normal use and care. If your unit is not free from defective material or workmanship, Manufacturer's obligation under this warranty is solely to repair or replace your product, with a new or reconditioned unit, at the option of the Manufacturer. It is the obligation of the purchaser to forward the unit, along with proof of purchase and mailing charges prepaid to the Manufacturer or its authorized representatives in order for repair or replacement to occur.

Manufacturer does not provide any warranty for any accessories used with this product that are not manufactured by Schumacher Electric Corporation and approved for use with this product. This Limited Warranty is void if the product is misused, subjected to careless handling, repaired, or modified by anyone other than Manufacturer or if this unit is resold through an unauthorized retailer.

Manufacturer makes no other warranties, including, but not limited to, express, implied or statutory warranties, including without limitation, any implied warranty of merchantability or implied warranty of fitness for a particular purpose. Further, Manufacturer shall not be liable for any incidental, special or consequential damage claims incurred by purchasers, users or others associated with this product, including, but not limited to, lost profits, revenues, anticipated sales, business opportunities, goodwill, business interruption and any other injury or damage. Any and all such warranties, other than the limited warranty included herein, are hereby expressly disclaimed and excluded. Some states do not allow the exclusion or limitation of incidental or consequential damages or length of implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and it is possible you may have other rights which vary from this warranty.

**THIS LIMITED WARRANTY IS THE ONLY EXPRESS LIMITED WARRANTY AND THE MANUFACTURER NEITHER ASSUMES OR AUTHORIZES ANYONE TO ASSUME OR MAKE ANY OTHER OBLIGATION TOWARDS THE PRODUCT OTHER THAN THIS WARRANTY.**

Schumacher® and the Schumacher logo are registered trademarks  
of Schumacher Electric Corporation.

## WARRANTY CARD

**SAVE ON POSTAGE! ACTIVATE YOUR WARRANTY ONLINE –  
THE QUICK AND EASY WAY!**

**Go to [www.batterychargers.com](http://www.batterychargers.com) to register your product online.**



**1 YEAR LIMITED  
WARRANTY PROGRAM  
REGISTRATION**

**MODEL:** \_\_\_\_\_ **DESCRIPTION:** \_\_\_\_\_

This is the only express limited warranty, and the manufacturer neither assumes nor authorizes anyone to assume or make any other obligation. There is no other warranty, other than what is described in the product owner's manual.

The warranty card should be submitted within 30 days of purchase. The customer must keep the ORIGINAL receipt because it will be required for any warranty claims.

This warranty is not transferable. Send warranty card only.

**DO NOT SEND UNIT TO THIS ADDRESS FOR REPAIR.**

**Mail this card to:** **Schumacher Electric Corporation**  
**801 Business Center Drive**  
**Mount Prospect, IL 60056-2179**

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Store Name Where Purchased \_\_\_\_\_ Date of Purchase \_\_\_\_\_

Store Location \_\_\_\_\_ UPC Number \_\_\_\_\_

Serial Number \_\_\_\_\_ (SEE PRODUCT)

**For faster warranty activation, go to [www.batterychargers.com](http://www.batterychargers.com) to register your product online.**