PLEASE SAVE THIS OWNER’S MANUAL AND READ BEFORE EACH USE. This manual will explain how to use the battery charger 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 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.
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THIS UNIT CONTAINS A SEALED, NON-SPILLABLE LEAD-ACID BATTERY. MUST BE DISPOSED OF PROPERLY.

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

WARNING – RISK OF EXPLOSIVE GASES

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

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.

**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.

**PERSONAL SAFETY PRECAUTIONS**

- Wear complete eye and clothing protection 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.
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 clips

XP500
1. Battery status button
2. Rotary switch for USB and jump starter
3. Battery status indicators
4. Built-in work light
5. Worklight ON/OFF switch
6. 12V DC power outlet
7. USB port
8. Battery clips

XP750C
1. USB port
2. Battery status button
3. Rotary switch for USB and jump starter
4. Battery status indicators
5. Built-in work light
6. 12V DC power outlet
7. Worklight ON/OFF switch
8. Battery clips
9. Air compressor hose
10. Air compressor gauge
11. Air compressor ON/OFF switch
12. Internal battery charger plug
13. Air compressor hose wrap cleats
14. Air compressor adapters and storage bag
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. RECHARGING BATTERY AFTER EACH USE WILL PROLONG BATTERY LIFE.

CHECKING THE INTERNAL BATTERY LEVEL

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

RED indicates a 50% or less charge; immediately charge the unit.

YELLOW indicates a 50% and higher charge.

GREEN indicates the battery is fully charged.

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. Flip the AC connector on the back of the unit up and plug in an 18 AWG or larger extension cord.
2. Plug the extension cord into a 120V AC electrical wall outlet.
3. The RED LED will light, indicating charging.
4. The GREEN LED will light when the battery is fully charged. This could take up to 72 hours. The charger will automatically go into maintain mode and maintain the battery at full charge without damaging it.
5. When charging is complete, unplug the extension cord from the wall outlet and the back of the unit.

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 and the GREEN LEDs do 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 it reaches a full charge, 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.

USING THE INSTANT POWER

IMPORTANT: Using the Engine Start feature without a battery installed in the vehicle could cause damage to the vehicle’s electric system.

1. Turn the ignition OFF before making the cable connections.
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). Crank the engine for no more than 8 seconds. If the engine does not start, wait 2 minutes before cranking again.
6. After the engine starts, turn the switch to the OFF position and remove the clips from the battery.
7. Charge the Instant Power as soon as possible after use.
USING THE USB PORT (Models XP500 and XP750C)
The USB port provides up to 500mA at 5V DC.

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

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. The lamp is efficient and will operate up to 100 hours on a full charge.
Position the Instant Power on a flat, stable surface near the intended work area.
Ensure the battery clips 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 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

<table>
<thead>
<tr>
<th>APPLIANCE TYPE</th>
<th>EST WATTAGE</th>
<th>XP400</th>
<th>XP500</th>
<th>XP750C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell phone</td>
<td>4 watts</td>
<td>13 hrs</td>
<td>19 hrs</td>
<td>34 hrs</td>
</tr>
<tr>
<td>Fluorescent light</td>
<td>4 watts</td>
<td>15 hrs</td>
<td>21 hrs</td>
<td>34 hrs</td>
</tr>
<tr>
<td>Radios, fans</td>
<td>9 watts</td>
<td>6.7 hrs</td>
<td>9.3 hrs</td>
<td>14 hrs</td>
</tr>
<tr>
<td>Depth finder</td>
<td>9 watts</td>
<td>6.7 hrs</td>
<td>9.3 hrs</td>
<td>14 hrs</td>
</tr>
<tr>
<td>Camcorder</td>
<td>15 watts</td>
<td>4 hrs</td>
<td>5.6 hrs</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Electrical tool</td>
<td>24 watts</td>
<td>2.5 hrs</td>
<td>3.5 hrs</td>
<td>5 hrs</td>
</tr>
<tr>
<td>Electric cooler</td>
<td>48 watts</td>
<td>1.3 hrs</td>
<td>1.8 hrs</td>
<td>2 hours</td>
</tr>
<tr>
<td>Car vacuum, air compressor</td>
<td>80 watts</td>
<td>0.8 hrs</td>
<td>1.1 hrs</td>
<td>1.8 hrs</td>
</tr>
</tbody>
</table>

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: Before you use the compressor for the first time, you must install the compressor hose wrap cleats. To install:
Press each cleat into its corresponding mounting hole on the back of the jump starter until it clicks into place.
Wrap the compressor hose around these cleats when it is not being used.

1. Ensure the battery clips are securely on the storage holders.
2. Remove the air compressor hose from the storage cleats on the back of the Instant Power. Install adapters as necessary.
3. Attach the air compressor hose to the product or accessory to be inflated by flipping down the lever.
4. Toggle the Compressor Switch up to the ON position and inflate the product.
5. When the product is inflated to the proper air pressure (using the air compressor gauge), toggle the Compressor Switch down to the OFF position and remove the hose.
6. Do not run for more than 10 minutes maximum at a time. Allow the Instant Power to cool down for 10 minutes before using again.
NOTE: To prevent overheating, the compressor has built-in thermal protection that will turn the compressor off before it overheats. If the compressor shuts off, wait a few minutes and it will automatically restart when the compressor cools. 

NOTE: The air compressor is rated for 150 PSI.

MAINTENANCE AND CARE

A minimal amount of care can keep your Instant Power working properly for years.
- Unplug the Instant Power before performing any maintenance.
- Clean the clips and the case each time you are finished using it.
- The Instant Power can be stored in any position.
- Recharge the unit once a month when not in use.
- Store clips on their support posts, to ensure they do not come into contact with any metallic surface.

- Never completely discharge the internal battery.

Estimated time for inflating

<table>
<thead>
<tr>
<th>Estimated time for inflating</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle tires 13-16&quot;</td>
<td>6-24 minutes</td>
</tr>
<tr>
<td>Bike tires</td>
<td>1-3 minutes</td>
</tr>
<tr>
<td>Sports balls</td>
<td>30 seconds</td>
</tr>
</tbody>
</table>

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

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>REASON/SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Instant Power won’t jump start my car.</td>
<td>Clips are not making a good connection to the battery.</td>
<td>Check for poor connection to battery and frame. Make sure connection points are clean.</td>
</tr>
<tr>
<td></td>
<td>Connections are reversed.</td>
<td>Disconnect the Instant Power and reverse the clips.</td>
</tr>
<tr>
<td></td>
<td>The Instant Power’s battery is not charged.</td>
<td>Press the Battery Status button on the front of the unit. The LEDs will indicate the status of charge.</td>
</tr>
<tr>
<td></td>
<td>The vehicle’s battery is defective.</td>
<td>Have the battery checked.</td>
</tr>
<tr>
<td></td>
<td>Models XP500 and XP750C: the Instant Power is not turned on.</td>
<td>Turn the Instant Power ON/OFF switch to the ON position.</td>
</tr>
<tr>
<td>The Instant Power won’t power my 12V device.</td>
<td>The 12V device is not turned on.</td>
<td>Turn on the 12V device.</td>
</tr>
<tr>
<td></td>
<td>The Instant Power’s battery is not charged.</td>
<td>Check the battery charge status by pressing the Battery Status button.</td>
</tr>
<tr>
<td></td>
<td>The 12V device draws more than 15A or has a short circuit.</td>
<td>Disconnect the 12V device. The internal breaker will automatically reset after a minute or two. Try the 12V device again.</td>
</tr>
<tr>
<td>The battery in the Instant Power won’t hold a charge.</td>
<td>The battery is bad (will not accept a charge).</td>
<td>Have the battery checked.</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>XP400</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal battery type</td>
<td>Sealed, maintenance-free, AGM, lead-acid</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>12V DC</td>
</tr>
<tr>
<td>12V DC power outlet</td>
<td>15A</td>
</tr>
<tr>
<td>Booster cables</td>
<td>8 AWG, 18&quot; long</td>
</tr>
<tr>
<td>Weight</td>
<td>7 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>XP500</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal battery type</td>
<td>Sealed, maintenance-free, AGM, lead-acid</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>12V DC</td>
</tr>
<tr>
<td>12V DC power outlet</td>
<td>15A</td>
</tr>
<tr>
<td>Booster cables</td>
<td>8 AWG, 18&quot; long</td>
</tr>
<tr>
<td>Weight</td>
<td>8.2 lbs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>XP750C</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal battery type</td>
<td>Sealed, maintenance-free, AGM, lead-acid</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>12V DC</td>
</tr>
<tr>
<td>12V DC power outlet</td>
<td>15A</td>
</tr>
<tr>
<td>Booster cables</td>
<td>8 AWG, 20.5&quot; long</td>
</tr>
<tr>
<td>Weight</td>
<td>15.73 lbs.</td>
</tr>
</tbody>
</table>

REPLACEMENT PARTS/ACCESSORIES

Male-To-Male Accessory Cable........................................................................................................94500109
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.
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.

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

For faster warranty activation, go to www.batterychargers.com to register your product online.

(SEE PRODUCT)