


⚠ WARNING! EXPLOSION HAZARD**DO NOT EXPOSE BATTERY TO FIRE OR INTENSE HEAT AS IT MAY EXPLODE.****BATTERY CONTAINS NON-SPILLABLE SEALED LEAD ACID BATTERY: IF CASE SHOULD BECOME CRACKED, DISPOSE OF IMMEDIATELY TAKING ADEQUATE SAFETY PRECAUTIONS TO PREVENT INJURIES OR DAMAGE TO PERSONS OR PROPERTY. BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.****SPECIFICATIONS**

Power Supply Battery:	17AH sealed lead acid
Power Supply DC Output:	12-volts nominal.
Power Supply Charging Time:	38 hours for the first time charging with AC charger; 34-36 hours to recharge with AC charger and 12-14 hours to recharge with 12-volt DC charger.
Storage Temperature:	Store in a cool dry area.

The WEEE symbol  on this product means that this product should be ethically dismantled or recycled to minimise environmental impact. Please check with your local authority for more information.

IMPORTANT: ADDITIONAL SAFETY INFORMATION

This Power Station/Emergency Jumpstart is **NOT** intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the Power Station/Emergency Jumpstart by a person responsible for their safety.

12v Portable Power Station & Emergency Jumpstarter

WELCOME: This product has been carefully engineered and manufactured to give you dependable operation. Please read this manual thoroughly before operating your new product as it contains the information you need to become familiar with its features and obtain the performance that will bring you continued enjoyment for many years. Please keep this manual on file for future reference.

CONTROLS

- The rotary switch on the left hand side of the unit controls the power to the booster cables. Always leave this in the "OFF" position except when jumpstarting a vehicle.
- 12 Volt Power Outlets x2..
- Battery Test Button
- Battery Power Indicator & Charging Indicator LED's.
- Reverse Battery Polarity LED Indicator.
- Input Charging Socket.
- Work Light/USB - ON/OFF Switch.
- USB Socket.
- 7 LED Work Light.
- Negative (Black) Crocodile Clip.
- Positive (Red) Crocodile Clip.
- AC Charger.
- DC Charging Cord.

**CAUTIONS**

- Never work alone with this product. Make sure that someone is available to give assistance if needed.
- Wear complete eye and clothing protection. Do not touch eyes while working near battery.
- Do not attempt to remove or replace the battery used in this device. When the battery has reached the end of its useful lifetime, take the entire unit to a battery recycling facility.
- For proper and safe operation of the 12 Volt DC power accessory outlets, do not place anything into it except the plug of the accessory to be used.
- Remove metal personal jewelry, such as rings, bracelets, necklaces and watches while working with a lead-acid battery. It can produce a short-circuit that may cause severe burns.
- Never charge or jump-start a frozen battery.
- Never allow clamps (positive & negative terminals) to touch together or to connect the same piece of metal to prevent short-circuits and arcing.
- Do not operate this device while wearing vinyl clothing. Static electricity may be generated when vinyl clothing is rubbed.
- This product is not intended for use in the rain or temperatures above 130°F.
- Use only the provided chargers, cables and clamps. Unauthorized parts may damage the unit.
- This product is not a toy. Keep out of the reach of children.
- Keep battery terminals clean. Be careful to keep corrosion from coming in contact with eyes.
- Do not operate this unit in or around water. Water can damage the unit.
- If battery acid comes into contact with eyes, flush the eyes with water for at least 10 minutes. Seek medical attention immediately.
- Always turn the Jumpstart System off when not in use. Store in a cool, dry place.
- Do not open the Jumpstart System. There are no servicable parts in the unit. Doing so will void the warranty.

IMPORTANT WARNING: This product is only supplied with a minimal amount of charge at manufacture, therefore for this product to operate correctly it has to be fully charged for a period of 38 hours **IMMEDIATELY** after purchase, this is essential **BEFORE ANY USE!** & cannot be used **DURING** the charge period. Failure to adhere to these conditions may invalidate the products warranty.



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CHARGING THE JUMPSTART SYSTEM

This unit has a maintenance free, built in sealed lead acid battery. Although the Jumpstart System arrives partially charged from the factory, it **MUST BE FULLY CHARGED FOR 38 HOURS BEFORE FIRST USE**, even if the battery status lights indicate a “full” charge. This initial charge pre-conditions the battery. Failure to follow this procedure may permanently damage the battery.

CHARGING WITH THE AC POWER ADAPTOR

Plug the AC adaptor into any 230 volt AC wall outlet and the other end into the Input Socket of the Jumpstart System. The Charging Indicator light will illuminate to indicate the unit is charging. Full charging will take approximately 34-36 hours. (depending upon power used).

CHARGING WITH THE DC POWER CORD

Plug the DC power cord into your vehicle’s cigarette lighter socket and the other end into the Input Socket of the Jumpstart System. Full charging will take approximately 14-16 hours. (depending upon power used)

Note: Some vehicle’s cigarette lighters and 12 volt power ports do not operate unless the ignition switch is in the accessory position.

CHARGING TIPS AND WARNINGS

Keep battery power topped up, ready for emergencies. Unlike some rechargeable batteries, frequent charging will not harm and in fact, will improve the performance of the internal battery. Recharge battery as soon as possible after each use to prolong battery life. Frequent heavy discharges between recharging will reduce battery life. Do not leave Jumpstart in a total discharged state for an extended period of time as this can cause battery failure. All lead acid batteries suffer from self-discharge over time, especially under extreme temperatures. Store in cool dry place. It is recommended to recharge unit every 2 months when not in use and more frequently in warmer or colder storage conditions to keep battery at peak operating efficiency. Jumpstart system should not be charged for more than 48 hours continuously. Use only the charging adaptors provided with this unit.

NOTE: DO NOT OPERATE ANY OF THIS UNIT’S FUNCTIONS WHILE CHARGING IS IN PROGRESS.

POWER STATUS & CHARGE LEVEL INDICATOR LIGHTS

Indicates power jumpstart charge level. Depress the charge level indicator button - The charge level indicator LED(s) will turn ON in sequence to indicate the current battery charge level status. When this button is released the charge level LED(s) will turn OFF.

To receive an accurate battery status reading, unplug the charging adaptor from the unit.

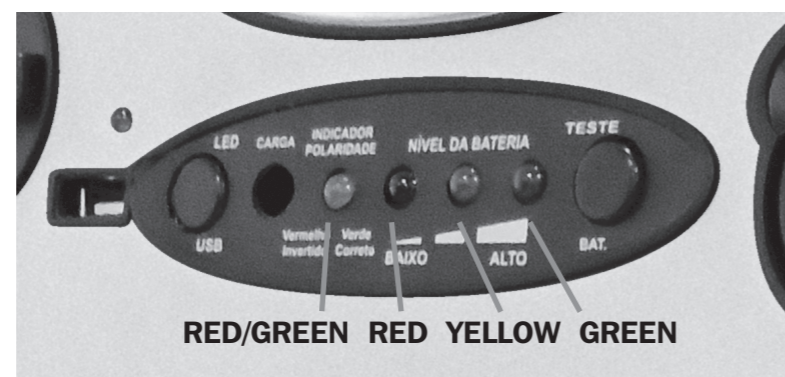
CHARGING LIGHT INDICATOR

Red color LED will illuminate while POWER JUMPER battery is charging. When charging is completed the RED LED will stay illuminated. The light will not turn off until the charging plug is removed.

LED INDICATORS

LED’s illuminate when charging is in progress. RED LED indicates charging, as the charging progresses the RED & YELLOW LED will light simultaneously, The GREEN LED indicates charging complete. If no charging cable is attached pressing the BATTERY CHECK button will give an indication of the charging level. RED Indicates immediate charging is required, YELLOW indicates charge level is approaching low and should be recharge as soon as possible, GREEN indicates a good charge and will operate most 12V accessories.

But the battery may not be FULL. To check this attach a power cable and read the LED’s as above. When jump starting a vehicle the RED/GREEN LED indicates correct (GREEN) or incorrect (RED) connection of the crocodile clips. If the RED LED illuminates disconnect immediately and re-connect correctly.



JUMPSTARTING AN ENGINE

JUMPSTART MUST BE FULLY CHARGED TO JUMPSTART AN ENGINE. MAKE SURE THE ROTARY BOOSTER CABLE SAFETY SWITCH IS IN THE “OFF” POSITION.

Do not attempt to Jumpstart an engine if the green light does not illuminate when you press the battery check button as this could permanently damage the battery.

Turn off ignition and all accessories (lights, radio, heater, air conditioning, etc.) in the vehicle with the weak battery that will not start. Place vehicle in park and set hand brake.

For maximum power, turn off all switches on your Jumpstart system and disconnect any accessories plugged into the 12 Volt power outlet.

Check that vehicle is negatively grounded (most vehicles). Securely connect the red positive clamp to the positive (+) terminal of the vehicle battery. **Then, securely connect the black clamp to a grounding point on the vehicle such as the metal chassis frame, in the engine compartment, as far away from the battery as possible.** DO NOT connect it to the negative battery terminal. Make sure both clamps have good contact. Check cable connection polarity indicator.

NOTE: DO NOT PLACE JUMPSTART WHERE IT COULD FALL WHEN VEHICLE STARTS UP. MAKE SURE THAT CABLES ARE ROUTED AWAY FROM MOTOR FAN OR BELTS.

If indicator light is green, turn rotary switch to the “on” position and start your vehicle. If indicator light is red, reverse clip connections before proceeding. Once vehicle starts, turn rotary switch to “off” position and disconnect black clamp first and then, red clamp. Restore cables on Jumpstart System and recharge unit at first opportunity.

NOTE: WHEN STARTING VEHICLE, CRANK ENGINE IN 5-6 SECOND BURSTS. IF VEHICLE DOES NOT START UP WITHIN 2-3 ATTEMPTS, ALLOW THE JUMPSTART TO COOL FOR 3 MINUTES BEFORE ATTEMPTING TO START VEHICLE AGAIN. RETRY ONLY IF BATTERY CONDITION IS SATISFACTORY.

WARNING

Do not turn cable safety switch to “on” position if indicator light is red. Turn “on” only when light is green.

OPERATING WORKLIGHT

The Jumpstart System comes with a built-in worklight. The light is directly connected to the Jumpstart’s internal battery. Light will operate for up to 40 hours from a fully charged battery. Turn off light when not required to conserve battery power.

Replacement Bulb: The bulb in this unit is 12V 3 watt, designed to provide many hours of operation. In the unlikely event that this should burn out or require replacement, bulbs can be obtained at local electrical supply outlet. To replace bulb, remove lens by unscrewing screw. Gently remove bulb. Replace bulb and reassemble light.

USE AS A 12 VOLT DC PORTABLE POWER SUPPLY

The Jumpstart System is equipped with an outlet socket and can be used to operate most 12 volt auto accessories and appliances (11 AMP maximum) equipped with a cigarette lighter plug. Simply lift up cover on socket and plug in appliance. Place power outlet switch located above socket in the “on” position. Length of time appliance will operate will depend on condition of battery and current draw of appliance. Periodically check battery status during operation and discontinue use immediately, if battery condition falls to red level. Recharge unit as soon as possible and before further use.

Power outlet is protected by an internal circuit breaker to prevent damage to unit in case appliance has a short circuit or exceeds 11 AMPS. If circuit breaker is tripped, disconnect appliance and have it checked. Circuit breaker will automatically reset once it cools down (approx. 15-20 minutes). **DO NOT PLUG A CIGARETTE LIGHTER INTO THE OUTLET OF THE JUMPSTART.**

BATTERY: This unit is equipped with a 12 Volt 17 Amp-hour maintenance free, sealed lead acid rechargeable battery, which has a normal life expectancy of up to 1000 charging cycles and will give many years of dependable service if properly cared for following the directions above. In the event that the battery needs replacement in the future, the unit will have to be opened up by loosening the screws holding the housing together. Carefully lift off back housing to gain access to the battery. Replace and reassemble.

Replacement batteries may be purchased from an electrical supply store. Old battery should be disposed of properly and safely. Some states required recycling. Please contact your local solid waste authority for recycling information.