

450 Amp Battery Jumper



User's Manual



CHARGE UNIT FOR 20 HOURS BEFORE FIRST USE.

We are constantly improving our products so specifications are subject to change without notice. Visit our website for the latest product information.

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Thank you for purchasing the HH399 by Tyrell Cheney Products . With normal care and proper treatment, it will provide years of reliable service.

IMPORTANT INFORMATION

- Please read and understand all warnings, cautions, and notes included in this manual before using the 450 Amp Battery Jumper™ Follow instructions provided by your vehicle manufacturer and other devices intended to be used with this unit. Keep these instructions for future reference.
- Make sure the Battery Jumper is fully charged before first use. We recommend 48 hours for initial charge.

GENERAL WARNINGS

- This appliance is NOT intended for use by persons with reduced physical, sensory, or mental capabilities.
- Children or persons lacking in experience and knowledge also should NOT operate this appliance unless he/she has been given supervision or instruction concerning the proper usage and warnings of the appliance by a person responsible for their safety.
- For proper and safe operation of any accessory outlet, do not place anything in it except the plug of the accessory to be used.
- Use only the chargers, cables, and clamps provided. Unauthorized parts may damage the unit.
- This product has no consumer serviceable parts other than the external fuse. Do not attempt to open the unit's enclosure, doing so will void the warranty.

STORAGE

This unit may be stored in any position. Make sure the clamps and air hose are securely tucked away in their original positions. Store in a cool, dry area. If the unit is not used for a prolonged period of time, recharge every 3 months.

PROPER DISPOSAL

- Appliance, accessories, and packaging should be recycled in an environmentally friendly manner. Plastic parts are coded for purposes of separation when recycling.
- Accumulators and battery-powered electrical appliances contain materials which are harmful to the environment. Do not dispose of batteries and/or electric/electronic appliances in normal household refuse. When the battery has reached the end of its lifetime, please take the entire unit to a battery recycling facility.

User's Manual—Read before using this equipment

PRODUCT FEATURES

- Powerful jump starter with heavy-duty cables and clamps.
- LED indicator for checking battery status.
- High- pressure air compressor for inflating tires and sports equipment with easy-read analog pressure gauge.
- DC accessory outlets for powering DC appliances.
- Two USB power port for charging mobile devices.
- Bright, long-lasting LED worklight.
- AC/DC recharging adapter & DC recharging cable (fused) included.

SPECIFICATIONS

Battery	AGM Sealed lead acid, 12V 8Ah
Peak Amps	450A
Cranking Amps	150A
Jumper Cables	8 AWG,
Air Compressor	260 PSI, analog gauge
DC Socket	12V, 11A max, 132W
USB Power Port(2)	One 5V,1000mA ;One 5V,2100mA
Work Light	5-LED
Charging Time (AC)	20 hours
Charging Time (DC—with engine running)	12 hours
Dimensions HxWxD (in cm)	26.5 x 14 x 22
Weight	3.65kg
AC Charging Adapter Output	15V, 500mA DC

FRONT VIEW



REAR VIEW



BATTERY STATUS

The LED Battery Indicator provides the current state of charge on the internal battery. It is the user's responsibility to periodically monitor the battery's status and recharge every 3 months in addition to recharging after each use.

1. Disconnect any input or output power cords and turn off all switches.
2. Press and hold the Battery Status button.
3. Observe the LED indicator to determine battery status.
 - Red: Battery is discharged. Charge immediately.
 - Yellow: Battery voltage is low, need to be charged.
 - Green 1: Battery voltage is capable to be used.
 - Green 2: Battery is fully charged

CHARGING THE BATTERY JUMPER



ELECTRICAL SHOCK! Exposure to water may cause electrical shock. Exposure to water and excessive moisture will also damage the unit and void the warranty.

Charge your Battery Jumper in an upright position for a full 20 hours before initial use.

Continue to maintain the life of your Battery Jumper (as with all lead-acid batteries) by fully recharging the unit every 3 months even if the Battery Jumper has not been used.

AC Charging

Only use the AC charging adapter supplied with this unit. Make sure the supplied AC/DC charging adapter is to be powered by the correct voltage (110V AC or 220V AC depending on your country/region).

1. Make sure all Battery Jumper switches are off.
2. Open the dust cover on the Charging Jack.
3. Plug the DC end of the AC/DC charging adapter into the Battery Jumper's charging jack.
4. Connect the AC end of the AC/DC charging adapter to the wall outlet.
5. The Battery/Charging Indicator will light up red/yellow/green 1/green 2 gradually during the charging process. The Battery Jumper can be charged continuously via AC adapter without damaging the internal battery.
6. When charging is complete, the Charging Indicator will turn green. Disconnect the adapter from the AC outlet first, then from the charging jack.
7. Replace the dust cover on the Charging Jack.
8. Press the Battery Status Button and observe the Battery Status/Charging Indicator for the state of charge on the unit's internal battery. The Battery Status/Charging Indicator should be lit green if charge is complete.

DC Charging in Your Vehicle or Boat

Only use the DC charging adapter supplied with this unit. Your vehicle engine must be running while charging the Battery Jumper. **Do NOT exceed 12 hours** of continuous charging time.

1. Make sure all Battery Jumper switches are off.

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2. Open the dust cover on the charging jack.
3. Plug the small end of the DC power cord into the Battery Jumper 's charging jack.
4. Plug the large end of the DC power cord into an accessory (cigarette lighter) socket.
5. The Battery/Charging Indicator will light up red during the charging process. **Do NOT charge for more than 12 hours at one time.**
6. When charging is complete, the indicator will turn green. Disconnect the power cord from the accessory socket first, then from the unit's charging jack.
7. Replace the dust cover on the charging jack.
8. Press the Battery Status Button and observe the Battery Status/Charging Indicator for the state of charge on the unit's internal battery. The Battery Status/Charging Indicator should be lit green if charge is complete.

JUMP STARTER

Warnings

- Lead-acid batteries can release explosive gasses. Failure to follow instructions may cause property damage, explosion hazard, and/or personal injury.
- Do not smoke while jump starting.
- Jump start a vehicle or boat in a well ventilated area.
- Do not attempt to jump start a frozen battery.
- This product is not intended for use in the rain or temperatures above 130°F.
- Do not let the jumper cables or other attached appliances get wet.
- Do not wear vinyl clothing when jump starting—friction can cause static electricity sparks.
- Remove all metal jewelry to avoid short circuits.
- Always use safety glasses when jump starting battery. Keep battery terminals clean and be careful to keep corrosion from coming in contact with eyes—acid can cause blindness and/or severe burns.
- Never allow red and black clamps to touch or connect to the same piece of metal—this can cause short-circuits, power arcing, and/or explosion.
- Make sure someone is available to give assistance if needed.
- Keep out of reach of children.

Procedure

CAUTION: If the engine fails to start after three attempts, discontinue jump start procedure. Excessive engine cranking can damage the vehicle's starter motor. Look for other problems that may need to be corrected or call for professional service.

1. Review the jump starter warnings.
2. Put the vehicle's gear is in "park" position and make sure the brake is set.

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3. Turn off the vehicle ignition and accessories (e.g. radios, lights, air conditioners), and disconnect all devices such as GPS and mobile phones or tablets.
 4. Turn off all Battery Jumper switches and disconnect all accessories.
 5. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal is usually larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, you should refer to the vehicle owner's manual.
 6. Determine the ground system of your vehicle.
 - If vehicle to be started has a negative ground system (this is most common):
 - a. Connect the red (+) cable clamp first to the vehicle's positive (red) battery terminal.
 - b. Next, connect the black (-) clamp to the vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to negative battery terminal or a moving part.
 - If vehicle to be started has the positive battery terminal connected to chassis (this is rare and usually found in older car models from the 1950s or earlier):
 - a. Connect the black (-) clamp first to vehicle battery's negative (black) terminal.
 - b. Connect red (+) clamp to vehicle chassis or a solid, non-moving, metal vehicle component or body part. DO NOT clamp directly to positive battery terminal or a moving part.
 7. Inside the vehicle, turn on the ignition switch and attempt to start the engine.
 8. Crank a maximum of 3 seconds. If the engine does not start, wait 3 minutes before the next attempt.
 9. After the engine starts, disconnect the clamps in the reverse order of connection prior to jumpstarting.
 10. Be sure that the cables and clamps are securely stored.
 11. Recharge the Battery Jumper as soon as convenient.

AIR COMPRESSOR

This Battery Jumper is equipped with an air compressor that can provide up to 260 PSI (pounds per square inch) of pressure for a variety of uses such as vehicle tires and sports equipment.

CAUTION: Be careful not to over inflate, monitor the compressor gauge while inflating. Never connect or disconnect the nozzle with the compressor operating.

Procedure

In the event that the vehicle tire is completely flat, raise the vehicle using a recommended jack before inflating the tire.

1. Before any tire inflation, look for manufacturer's recommended inflation pressure.
2. Unwind and extend the air hose from the bottom, back side of the unit.
3. Position the Battery Jumper so that you can see the pressure gauge.
4. Make sure the chuck lever is positioned up (away from the chuck opening).
5. Determine if you will need an air hose adapter for your object.

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- To inflate a vehicle tire:
 - a. Remove the valve cap from the valve stem of the tire.
 - b. Attach the chuck of the air hose to the tire's valve stem.
 - c. Push the chuck lever down to secure the chuck to the valve stem.
 - To inflate a sports equipment, air mattress, rafts, or other plastic inflatables:
 - a. Insert the proper valve stem adapter into stem connector as far as possible.
 - b. Push the chuck lever down to secure the adapter.
 - c. Remove the valve cap from your inflatable object if there is one.
 - d. Insert the other end of the valve stem adapter into inflatable's air valve opening as far as possible.
6. Set the Air Compressor Switch on to the "I" position to start inflation.
 7. The air compressor has an overheat protection feature that will power the unit off automatically and resume operation after a period of cooling down.
 8. Monitor the pressure gauge while inflating the tire.
 9. When recommended tire pressure has been reached, turn off the air compressor.
 10. Disconnect the hose and replace valve cap.
 11. Return the hose back to its compartment for storage.
 12. Recharge the Battery Jumper as soon as it is convenient.

DC OUTPUT SOCKET

The DC accessory sockets can power a DC load up to 11 Amps. Overloading the socket will result in tripping a self-resetting circuit breaker. Removing the overload automatically restores power to the DC socket. For proper and safe operation of the 12 Volt DC power accessory outlets, do not place anything in them except the 12V DC plug of the accessory to be used.

1. Check the required current draw of the appliance/device to be powered and make sure it does not exceed the Battery Jumper's maximum wattage.
2. Open the dust cover from the DC socket.
3. Insert the 12V DC accessory plug into the socket.
4. Operate the appliance as usual.
5. After use, disconnect the accessory plug from the DC socket.
6. Replace the dust cover.
7. Recharge the Battery Jumper as soon as convenient.

USB POWER PORT

You may operate the USB port and DC sockets at the same time.

1. Connect a user-supplied USB cable to the USB power port on the Battery Jumper.
2. Press the battery status button, USB power port will be working.
3. When charge is complete, disconnect the USB cable from the Battery Jumper.

WORKLIGHT

You may operate the worklight and DC sockets at the same time.

1. Press the Worklight Switch.
2. The 5 LEDs will illuminate.
3. Turn the light off when it is not in use.

ONE YEAR LIMITED WARRANTY

Tyrell Chenergy Inc. (the **Manufacturer** warrants this product against defects in materials and workmanship that may occur under normal use and care, for a period of ONE YEAR from the date of purchase by the ORIGINAL purchaser (known as the warranty period **THIS LIMITED WARRANTY IS NOT TRANSFERABLE OR ASSIGNABLE.**

If there is a defect and a valid claim is received within the warranty period due to material or workmanship, the manufacturer will repair or replace the defective product with a new or reconditioned unit at the option of the manufacturer. It is the obligation of the purchaser to forward the defective product and the proof of purchase, along with shipping charges prepaid to the manufacturer or its authorized representatives in order for repair or replacement to occur.

The manufacturer hereby excludes and disclaims any and all other warranties, expressed or implied or statutory warranties, beyond those warranties specified above. The manufacturer excludes any implied warranty of merchantability or fitness for a particular purpose. This limited warranty is void if the product is misused, subjected to careless handling, repaired, or modified by anyone other than the manufacturer, or if this product is resold through an unauthorized retailer.

The manufacturer does not provide any warranty for any accessories used with this product that are not manufactured and approved by Tyrell Chenergy Inc, for use with product. Further, the manufacturer shall not be liable for any incidental, special, or consequential damage claims incurred by purchasers, users, others associated with this product, including, but not limited to, lost profits, anticipated sales, business opportunities, business interruption, and any other injury or damages.

This warranty gives the original purchaser specific legal rights and original purchaser may have other rights which vary from state to state. This product is not intended for commercial use.

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