

DURACELL®

Portable Emergency Jumpstarter

1. Features



1: Emergency light on/off button

4: USB charge port and indicator light. Supplies up to 2.1 Amps of charging power for your USB devices.

7: Negative jump starting clamp connects to the *engine block* (see Section 6).

2: Fuel gauge button and USB on/off switch turns on the fuel gauge indicator. Turns on power to the USB charge port.

5: 12V DC power socket powers 12V DC devices and appliances. It is also used to recharge the jump-starter's internal battery.

8: AC battery charger quickly recharges the jump-starter's internal battery from a standard AC wall outlet; stores in compartment on bottom of unit.

3: LED fuel gauge/battery level indicator shows battery fuel level.

6: Emergency light provides bright LED illumination in dark locations.

9: Positive jump starting clamp connects to the *positive* battery terminal (see Section 6)

2. Important Safety Information

Misusing or incorrectly connecting the Duracell® Jump-starter may damage the equipment or create hazardous conditions for users. Read the following safety instructions and pay special attention to all Caution and Warning statements in the guide.

- **Warnings** identify conditions that may result in personal injury or loss of life.
- **Cautions** identify conditions or practices that may damage the unit or other equipment.

! IMPORTANT

For general usage warnings and cautions, please see **Section 9: Warnings and Cautions** on Page 2 of this manual. Please read these items carefully before using this jump-starter.

! WARNING: ELECTRICAL SHOCK HAZARD

The jump-starting clamps may spark if touched together. Always keep the clamps in their storage holsters when they are not being used.

3. Charging/Recharging the Jump-starter

► Charging before first use

! IMPORTANT

Prior to using the jump-starter for the first time, ensure that the battery of the jump-starter is fully charged. If the battery has been fully discharged, charging/recharging with the AC battery charger may take up to 12 hours.

Charging / recharging with the AC battery charger

Recharging with the AC battery charger is a true “plug-in-and-forget” charging method. We recommend leaving the AC battery charger connected when the jump-starter is not in use.

1. Disconnect any USB and 12V DC appliances from the DC power outlets.
2. Remove the AC charger from the storage compartment under the unit.
3. Plug the AC battery charger into a standard AC wall outlet. Plug the other end of the charger into the 12V socket of the jump-starter. The “Red” LED on the charger will light up when battery is charging
4. Recharging time should be approximately 12 hours if the jump-starter battery is fully discharged. “Green” LED lights up on charger when battery is fully charged.

! IMPORTANT

The 12-hour charging time for the jump-starter assumes that there is 120V AC at the AC wall outlet. If the voltage is less than 120V AC, it may take more than 12 hours to fully recharge the jump-starter. If, after 12 hours of charging, the Battery Status LED remains red, continue to charge the unit for another 12 hours. The unit will be ready for use even if the Battery Status LED remains red.

! IMPORTANT

If you keep the jump-starter in storage, the battery will discharge over time. Remember to recharge the battery every three months to keep the jump-starter operational.

Note: Once fully charged, the charging current automatically reduces to a maintenance charge mode, and the jump-starter may be left permanently connected to the AC battery charger.

4. Checking the Jump-starter's Battery Level

To check the battery's charge level, press the Fuel Gauge button. The LED lights will illuminate and display the current level of available battery power.

When all four lights are lit, this indicates that your Jump-starter is fully charged. It is recommended to maintain a full charge on the Jump-starter at all times for optimal jump starting and device charging.

! IMPORTANT

Your jump-starter will perform best when its battery is fully charged. If the LED Fuel Gauge shows less than 100% charge, it is recommended to fully recharge your battery (see **Section 3: “Charging/Recharging the Jump-starter's Battery”** above).

Note: Battery Fuel Gauge status is only accurate when the jump-starter has been disconnected from all appliances and all charging sources for 15 minutes.

5. Using The Jump-starter's Light / Power Ports

► Using the built-in light

The Duracell® Jump-starter has a built-in emergency light to provide a safe, bright work light on the roadside and in other outdoor environments.

1. Push the “Emergency Light” button to turn on the LED light.
2. Position the jump-starter so that the light illuminates your work area.
3. When done, push the “Emergency Light” button again to turn the LED light off.

► Using the USB port

The USB port provides up to 2.1 Amps of power to charge cell phones, smartphones, tablets and other devices.

To charge USB devices:

1. Connect your USB device (smartphone, tablet player, etc.) to the USB port using the USB cable supplied with your device.
2. Push the “On/Off” button.
3. Charging will start and up to 2.1 Amps of current can be supplied by the port. The USB device controls the amount of current supplied. The jump-starter never “pushes” more than required by the devices.
4. Push the “On/Off” button again when done to turn the USB port off.

► Using the 12V DC power socket

The jump-starter can operate 12V DC appliances that draw 11A or less from a 12V DC power outlet or from a vehicle's lighter socket.

! CAUTION: EQUIPMENT DAMAGE

The DC power outlet does not automatically switch off when the internal battery is discharged. Check the battery status periodically to prevent total battery discharge.

Note: The fewer watts a 12V DC appliance draws, the longer the jump-starter will operate before recharging is required.

To operate a 12V DC appliance:

5. Open the protective cover on the jump-starter's DC power socket.
6. Plug the 12V DC appliance into the DC power outlet on the front panel of the unit, and turn the 12V DC appliance on (if required).
7. Fully recharge the jump-starter as soon as possible after each use.
8. As the DC power socket is internally wired directly to the jump-starter's battery, extended operation of a 12V DC appliance may result in excessive battery discharge. See “Caution: Equipment Damage” above.

6. Jump-Starting A Vehicle's Engine

You can use the Duracell® jump-starter with the supplied jump-start cables to jump-start a vehicle or boat engine that has a 12V starting battery.

! WARNING: FIRE HAZARD

Never allow jump-start cables' red and black clamps to touch each other or another common metal conductor. This could cause damage to the unit and/or create a sparking/explosion hazard.

! WARNING: FIRE HAZARD

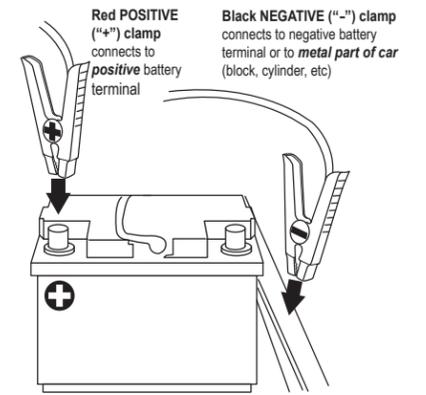
Jump-start cable clamps' connection to the vehicle's battery terminals must be positive (red clamp to battery “+”) and negative to engine block. A reverse polarity connection (positive to negative) may cause damage to the unit and/or create a sparking/explosion hazard.

! WARNING: FIRE HAZARD

Do not crank the engine for more than 4 seconds. The jump-start feature is designed for short term operation only. Operating the jump-start feature for more than 4 seconds may cause damage to the unit. Allow the jump-starter to cool down for at least 3 minutes after each jump-start.

► To jump-start a vehicle engine:

1. Turn OFF the vehicle or boat ignition and all accessories.
2. Engage the park or emergency brake and place the transmission in park for an automatic or neutral for a manual.
3. If jump-starting a boat engine, purge the engine compartment and bilge of all fumes.
4. Position the jump-starter on a flat, stable surface near the battery and away from all moving parts of the engine.
5. Connect the red positive (+) clamp of the cables to the positive (+) terminal of the engine battery. The battery's positive terminal is usually larger in diameter than the negative terminal. In most vehicles, the battery's positive terminal has a red wire connected to it.
6. Connect the black negative (–) clamp of the cables to the engine block, cylinder head, or other stationary heavy metal part of the motor.



7. Correct polarity must be established before proceeding. Re-check your connections before starting your engine. If the clamps are reversed, disconnect the jump-start clamps from the vehicle's battery and redo steps 5 and 6 in this procedure.
8. Before starting the engine, make sure the jump-starter and the cables are clear of belts and fans.
9. Crank the engine for 4 seconds or until it starts, whichever is first.
10. Remove the red positive (+) clamp and then the black negative (–) clamp from the vehicle.
11. Store the jump-start clamps in the appropriate holder on each side of the jump-starter.

! IMPORTANT

If you keep the jump-starter in storage, the battery will discharge over time. Remember to recharge the battery every three months to keep the jump-starter operational.

7. Maintenance

Routine maintenance is required to keep your Duracell® jump-starter operating properly. Occasionally clean the exterior of the unit with a damp cloth to remove the accumulated dust and dirt.

! WARNING: SHOCK HAZARD

Disconnect all sources of AC power and DC power before performing any type of maintenance.

► Battery maintenance

All rechargeable batteries gradually discharge when left standing, and you need to recharge them periodically to maintain maximum battery capacity. The AC battery charger supplied with the jump-starter is designed to regulate the charging process, ensuring that the battery is always fully charged but never overcharged. To ensure safe recharging and maximum battery life, recharge the jump-starter only with the supplied charger or approved battery chargers.

! CAUTION

Due to inherent self-discharge, lead acid batteries must be charged at least every 3 months, especially in a warm environment. Leaving a battery in a discharged state, or not recharging every 3 months, may result in permanent battery damage and poor jump-starting performance.

! CAUTION

Do not attempt to recharge the jump-starter battery if it is frozen. Gradually warm the frozen battery to 32 °F (0 °C) before recharging.

8. Specifications

Electrical specifications

12V DC section	600 Jumpstarter	750 Jumpstarter
Internal battery type	Sealed/non-spillable, AGM (Absorbed Glass Mat) lead-acid	
Internal battery voltage (nominal)	12V DC	
Internal battery capacity (minimum)	7Ah	9Ah
DC power socket (maximum continuous load)	11A with automatic reset	

Battery charging controller system	600 Jumpstarter	750 Jumpstarter
AC input voltage	100 - 240V AC	
Nominal output voltage	12V DC	
Empty load power	< 0.35W	
Safety certifications / efficiency certifications	ETL	

Physical specifications

	600 Jumpstarter	750 Jumpstarter
Length	11.0" (28.0 cm)	
Width	6.1" (15.6 cm)	
Height	6.7" (17.0 cm)	
Weight	6.6 lbs. (3 kg)	7.8 lbs. (3.5 kg)

9. General Warnings and Cautions

IMPORTANT: Please read these general usage-related warnings and cautions thoroughly before using this jump-starter.

WARNING: Shock hazard. Keep away from children.

Do not insert foreign objects into the DC power socket, the USB port, or the ventilation holes. Do not expose this product to water, rain, snow, or spray. Do not open the jump-starter. There are no user serviceable parts inside the unit.

CAUTION

Do not expose the jump-starter to temperatures over 40°C (104°F).

WARNING: Explosion hazard

Do not use this product where there are flammable fumes or gases, such as in the bilge of a gasoline-powered boat, or near propane tanks. Do not use this product in an enclosure containing automotive-type lead-acid batteries. These batteries, unlike the sealed AGM battery in the Jump-starter, vent explosive hydrogen gas which can be ignited by sparks from electrical connections. When working on electrical equipment, always ensure someone is nearby to help you in an emergency.

WARNING: Proper application

Do not use the appliance for any application except that for which it is intended.

WARNING: Heated surface

During operation, keep away from materials that may be affected by high temperatures such as blankets, pillows and sleeping bags.

WARNING: Medical equipment

This product is NOT tested, designed nor intended to be used with life support systems or any other medical devices.

10. Recycling

Battery-Biz is committed to environmental responsibility and recommends that electronic devices be disposed of properly. Please contact your local city offices for information on recycling and disposal programs for e-waste.

WARNING

This product contains chemical(s) known to the State of California to cause cancer, birth defects, or other reproductive harm.