

DURACELL®

Portable Emergency Jump-starter

1. Features



- 1: Emergency light button.**
- 2: Battery Level button and USB on/off switch** turns on the battery level indicator. Turns on power to the USB charge port.
- 3: LED fuel gauge.** Battery level indicator shows battery fuel level.
- 4: USB charge port.** Supplies up to 2.1 Amps of charging power for your USB devices.
- 5: 12V DC power socket** powers 12V DC devices and appliances.
- 6: Emergency light** provides bright LED illumination in dark locations.
- 7: Jump-starter ON/OFF switch**
- 8: Negative jump starting clamp** connects to the *negative* battery terminal OR engine block (see Section 6)
- 9: AC battery charger port** recharges the jump-starter's internal battery from a standard AC wall outlet.
- 10: AC power cord**
- 11: 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 other equipment or create hazardous conditions for users.

⚠ 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

► Charge 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 with the AC battery charger may take up to 12 hours.

► Charging with the internal charger

Charging with the internal 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. Insert the included AC cord end into the AC cord input port, then plug AC cord into a standard AC wall outlet.
3. The charging LED shows the charging status.
4. Recharging time should be approximately 12 hours if the jump-starter battery is fully discharged.

⚠ 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.

4. Checking the Jump-Starter's Battery Level

To check the battery's charge level, press the Battery Level button. The digital readout will display the approximate charge level.

Note: The level is approximate. You may see sudden small changes up to 20% when loads are applied or removed, this is only due to voltage changes and does not indicate sudden drops in charge state. It is recommended to maintain a full charge on the jump-starter at all times for optimal jump starting and device charging.

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. When done, push the "Emergency Light" 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 etc.) to the USB port using the USB cable supplied with your device.
2. Push the "Battery Level USB 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.
4. The USB port never "pushes" more current than required by the devices.
5. Push the "Battery Level USB 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.

⚠ 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.

To operate a 12V DC appliance:

1. Open the protective cover on the jump-starter's DC power socket.
2. Plug the 12V DC appliance into the DC power outlet on the side of the unit, and turn the 12V DC appliance on (if required).
3. Fully recharge the jump-starter as soon as possible after each use.
4. 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

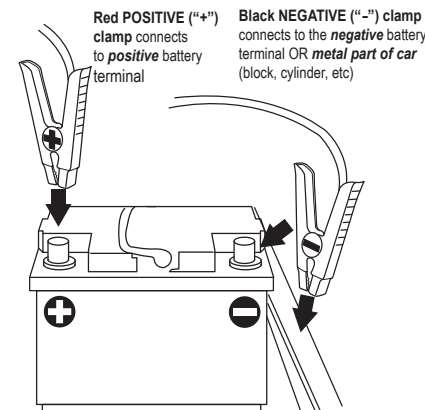
Jump-start cable clamps' connection to the vehicle's battery terminals must be positive to positive (red clamp to battery "+") and negative to engine block. A reverse polarity connection (positive to negative) may cause damage to the unit and/or create a sparking/explosion hazard.

⚠ 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 30 seconds 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. Make sure the red jump-starter switch is in the OFF position then 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. (Refer to your vehicle's owner manual).



6. Connect the black negative (-) clamp of the cables to the negative battery terminal, 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, an alarm will sound and "CLAMPS REVERSED" LED illuminate. 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. Turn the jump-starter switch to the ON position and turn over the engine for 4 seconds or until it starts, whichever is first.
10. Turn the jump-starter switch to the OFF position and 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 charger within 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 charger.

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

Battery charging controller system

AC input voltage	100 - 240V AC
Nominal output voltage	12V DC
Empty load power	< 0.35W
Safety certifications / efficiency certifications	ETL

Physical specifications

Length	13.6" (34.4 cm)
Width	6.8" (17.3 cm)
Height	9.8" (24.9 cm)
Weight	12.6 lbs. (5.72 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 unit. There are no user serviceable parts inside the unit.

 **CAUTION**

Do not operate the jump-starter in temperatures under 0°C (32°F) or 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. Use caution when using 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: 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.

[Learn more about battery chargers and jump starters we have.](#)