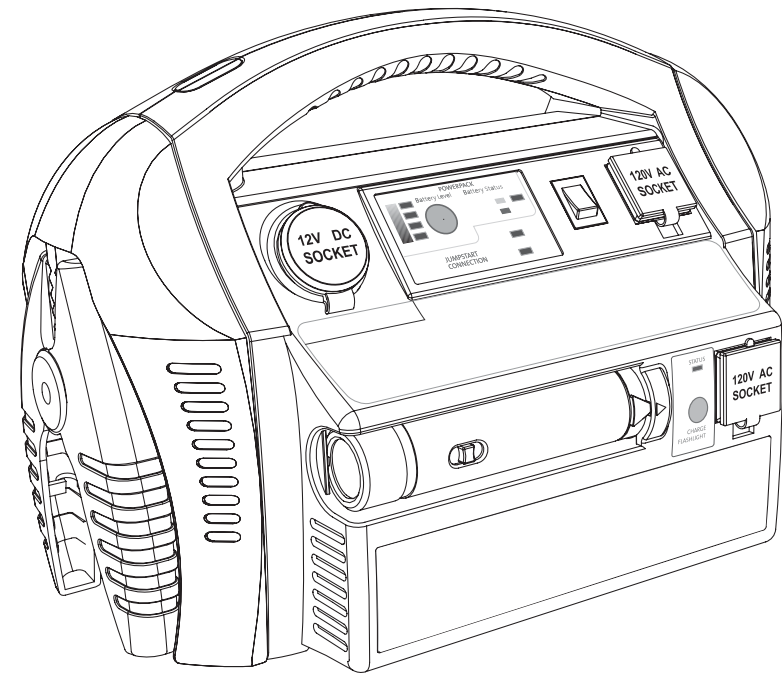


DURACELL®

POWERPACK 300

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Owner's Guide

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About This Guide

Purpose

The purpose of this Owner's Guide is to provide explanations and procedures for installing, operating, maintaining, and troubleshooting the Duracell® Powerpack 300.

Organization

This guide is organized into five chapters and an appendix: Chapter 1, "Introduction", provides an overview of the main features of the Duracell® Powerpack 300.

Chapter 2, "Features", provides a detailed description of the features of the Duracell® Powerpack.

Chapter 3, "Operation", gives instructions for the main operational procedures of the Duracell® Powerpack, including operating AC and DC appliances, using the air compressor, and jump-starting an engine.

Chapter 4, "Maintenance", gives instructions for recharging the Duracell® Powerpack and changing the built-in light bulb.

Chapter 5, "Troubleshooting", provides a troubleshooting guide to the Duracell® Powerpack.

Appendix A, "Specifications", provides the electrical and physical specifications of the Duracell® Powerpack.

"Warranty and Return" at the end of this guide provides detailed warranty information and instructions for getting warranty service.

Conventions Used

The following conventions are used in this guide.



WARNING

Warnings identify conditions that could result in personal injury or loss of life.



CAUTION

Cautions identify conditions or practices that could result in damage to the unit or to other equipment.

Important: These notes describe an important action item or an item that you must pay attention to.

Abbreviations and Acronyms

A	Ampere(s)
AC	Alternating Current
AGM	Absorbed Glass Mat
Ah	Amp-hours
DC	Direct Current
Hz	Hertz
mA	Milli-ampere
MHI	Metal halide arc
RMS	Root Mean Square
UPS	Uninterruptible Power Supply
V	Volt(s)
W	Watt(s)

Important Safety Instructions

The Duracell® Powerpack 300 generates a type of AC power similar to a normal household wall outlet. Operating the Duracell® Powerpack incorrectly or misusing it may damage the equipment or create hazardous conditions for the user.

Important: Before using your Duracell® Powerpack 300, be sure to read and save these safety instructions.

Warnings and Cautions



WARNING: Shock hazard. Keep away from children.

The Duracell® Powerpack 300 generates the same potentially lethal AC power as a normal household wall outlet. Do not insert foreign objects into the AC power outlet, the DC power outlet, or the ventilation holes. Do not expose this product to water, rain, snow, or spray.

Do not open the Duracell® Powerpack 300. There are no user-serviceable parts inside the unit.



CAUTION

The unit will be damaged if connected to any AC load that has its neutral conductor connected to ground. Such loads include AC distribution wiring and house wiring.



CAUTION

Do not expose the Duracell® Powerpack 300 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 Duracell® Powerpack 300, 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: Heated surface

Ensure at least 2" (5 cm) air space is maintained on all sides of the Duracell® Powerpack 300. During operation, keep away from materials that may be affected by high temperatures such as blankets, pillows and sleeping bags.



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. Always store the clamps in the appropriate holder on each side of the Duracell® Powerpack after use.



WARNING: Fire hazard

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



WARNING: Limitations on use

Do not use this product in connection with life support systems or other medical equipment or devices.



WARNING: Fire hazard

The jump-start feature is designed for short term operation only—less than 4 seconds. Operating the jump-start feature for more than 4 seconds may cause damage to the unit. Allow the Duracell® Powerpack 300 to cool down for at least 3 minutes after each jump-start.



WARNING: Fire hazard

Do not leave the compressor unattended while operating. The compressor is designed for short term operation only. Operation of the compressor over an extended period of time will cause the compressor unit to overheat and may cause damage. Allow the compressor to cool down for 10 minutes after each 10 minutes of continuous operation.

Precautions When Working With Your Vehicle Battery



WARNING: Risk of Explosion, Fire or Burns

1. Follow all instructions published by the battery manufacturer and the manufacturer of the equipment in which the battery is installed.
2. Make sure the area around the battery is well ventilated.
3. Never smoke or allow a spark or flame in the vicinity of the engine or batteries.
4. Be careful not to drop a metal object on the battery or allow a metal tool to simultaneously touch the positive and negative cable ends or battery terminals. It might spark or short-circuit the battery or other electrical parts and cause an explosion.
5. Remove personal metal items such as rings, bracelets, necklaces, and watches when working with a lead-acid battery. A lead-acid battery produces a short-circuit current high enough to weld a ring or other similar objects to metal, causing a severe burn.
6. If you need to remove a battery, always remove the positive terminal from the battery first. Make sure all accessories are off so you don't cause an arc.
7. Someone should be within range of your voice, or close enough to come to your aid when you work near a lead-acid battery.
8. Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, and/or eyes.
9. Wear complete eye protection and clothing protection. Avoid touching your eyes while working near batteries.

10. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters your eyes, immediately flood them with running cold water for at least twenty minutes and get medical attention immediately.
11. Keep a supply of baking soda on hand in the area of the batteries. Baking soda neutralizes lead-acid battery electrolyte.

Precautions for Using Rechargeable Appliances



CAUTION

The output of the Duracell® Powerpack 300 inverter is a non-sinusoidal modified sine wave, which is different from pure sine wave utility-supplied electricity. Certain types of load equipment may be damaged.

Most rechargeable battery-operated equipment uses a separate charger or transformer that is plugged into an AC receptacle and produces a low voltage charging output.

Some chargers for rechargeable batteries can be damaged if connected to the Duracell® Powerpack 300.

Do not use the following with the Duracell® Powerpack 300:

- Small battery-operated appliances like flashlights, razors, and night lights that can be plugged directly into an AC receptacle to recharge.
- Some chargers for battery packs used in hand power tools. These affected chargers display a warning label stating that dangerous voltages are present at the battery terminals.

Note: If you are unsure about using your rechargeable appliance with the Duracell® Powerpack 300, contact the equipment manufacturer to determine the rechargeable appliance's compatibility with the modified sine wave (non-sinusoidal) AC waveform.

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1 Introduction

About the Duracell® Powerpack 300

Easy-to-use and designed for years of reliable service, the Duracell® Powerpack can run many AC appliances and 12 V DC appliances whenever you need power for work or play, at home or on the road.

Duracell® Powerpack:

- Powers 120 V AC appliances
- Powers 12 V DC appliances
- Jump-starts vehicle engines
- Provides lighting for emergency use
- Inflates vehicle tires and small sports equipment

Comprehensive Protection

Automatic Overload

The Duracell® Powerpack has built-in protection against output overload. If you connect an appliance that draws more than 300 W to the AC power outlet on the Duracell® Powerpack, or one which draws excessive surge power, the power to the AC power outlet automatically shuts off.

Overheating

The Duracell® Powerpack is protected from overheating. If the inverter exceeds a safe temperature, power to the AC power outlet automatically shuts off.

Low Battery Protection

Low battery protection protects the internal battery from excessive discharge and possible damage. The unit automatically turns off when the internal battery is discharged to 10.5 Vdc.

2 Features

Chapter 2 describes the main features of the Duracell® Powerpack 300. We recommend that you familiarize yourself with these features before operating the unit.

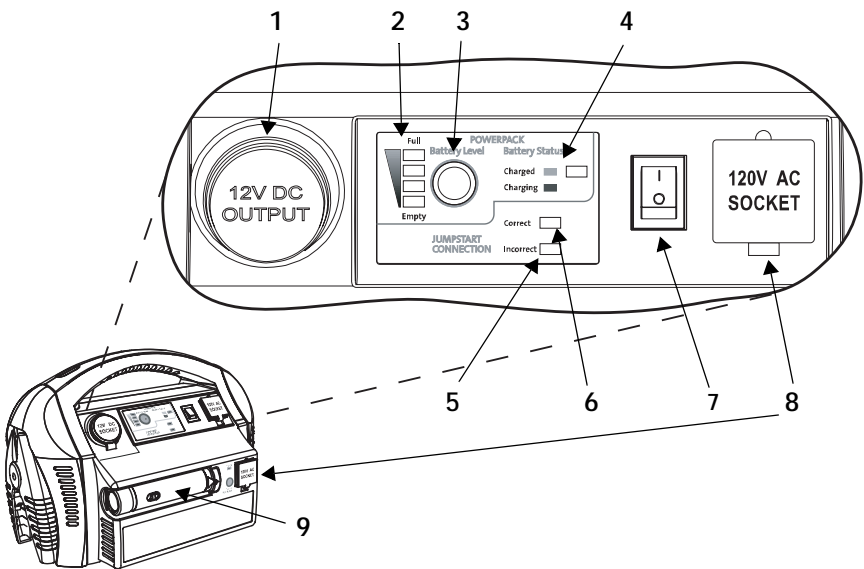
Materials List

Your Duracell® Powerpack package includes these items:

- ☐ Duracell® Powerpack
- ☐ Owner's Guide
- ☐ AC charger
- ☐ DC charging cable
- ☐ Nozzle and needle adaptors for the compressor
- ☐ Detachable flashlight

Duracell® Powerpack Features

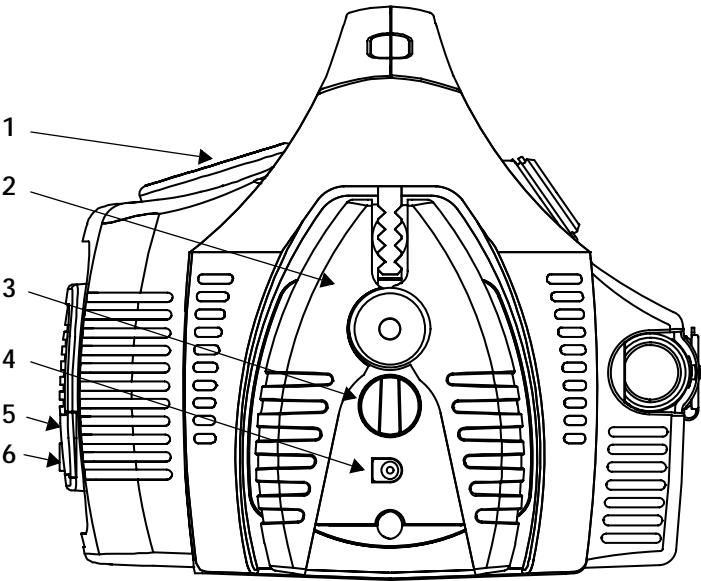
Front Panel Detail



Feature	Description
1	DC power outlet: <ul style="list-style-type: none">• Powers 12 V DC auto, RV or marine appliances• Recharges Duracell® Powerpack from a 12 V outlet in a vehicle using the DC charging cable.
2	Battery Level LEDs illuminate to indicate the Duracell® Powerpack battery charge level. All LEDs (two green, one yellow and one red) are illuminated when the battery is fully charged (Full), only the red LED is illuminated when the battery is completely discharged (Empty).
3	Battery Level button triggers the Battery Level Full/Empty LED indicators. Press to view the battery charge status.

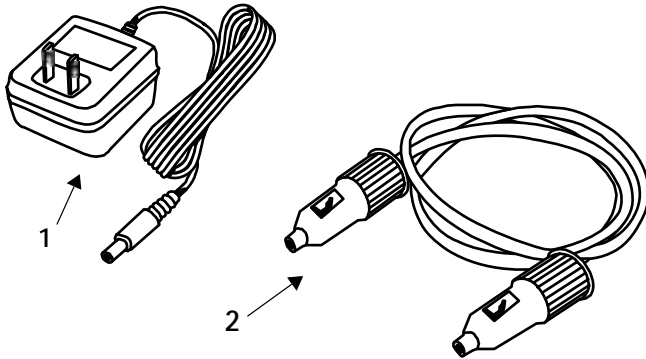
Feature	Description
4	Battery Status LED illuminates when the Duracell® Powerpack is charging (when an AC charger is connected to the Duracell® Powerpack's AC charger input socket and plugged into the household 120 V AC outlet).
5	Red Incorrect Jumpstart Connection LED illuminates and an alarm sounds when the jump-starting clamps are improperly connected to the vehicle battery.
6	Green Correct Jumpstart Connection LED illuminates when the jump-starting clamps are properly connected to the vehicle battery.
7	AC power ON/OFF switch illuminates when the switch is turned ON.
8	AC power outlets are standard 3-prong outlets that supply 120 Vac power for running AC appliances when the AC power ON/OFF switch is on.
9	Flashlight detaches and recharges from the Powerpack.

Left Side View



Feature	Description
1	Pressure gauge shows the PSI (lb/in ²).
2	Jump-starting clamp
3	Jump-start power switch
4	AC charger input socket
5	Compressor ON/OFF switch
6	Nozzle packet compartment
Not shown	Valve connector with connector hose

Accessories



Accessory	Description
1	AC charger lets you recharge the Duracell® Powerpack from a standard AC wall outlet and can only be used to recharge the internal battery of the Duracell® Powerpack.
2	DC charging cable lets you recharge the Duracell® Powerpack from a 12 V system in a car, SUV, RV or a boat.
Not shown	Nozzle packet containing nozzle adaptor and sports needle adaptor.

3 Operation

Chapter 3 explains how to operate the Duracell® Powerpack 300 efficiently. This chapter covers:

- Recharging the Duracell® Powerpack for first-time use
- Using the flashlight
- Operating AC appliances and 12 V DC appliances
- Jump-starting a vehicle's engine
- Using the air compressor
- Connecting to an external battery for additional run time

Operating Conditions and Guidelines



CAUTION

Read all operating instructions before operating the Duracell® Powerpack.



CAUTION

The Duracell® Powerpack is not intended for use as an uninterruptible power supply.

Important: The Duracell® Powerpack is not suitable for use with certain products and loads

The maximum output wattage of this product is limited to 300 watts total when supplying backup power from its batteries. This limit applies to the total of all items plugged into the product.

This output wattage is not sufficient to run the following products:

- Items producing heat: examples include toasters, microwaves, heaters, pellet stove igniters
-

- Motor loads with high startup power surge requirements: Sump pumps, circular saws, larger power tools, refrigerators.

Visit **www.xantrex.com** for higher power solutions.

Choosing a Location



WARNING: Fire or explosion

The Duracell® Powerpack contains components that tend to produce arcs or sparks. To prevent fire or explosion, do not operate the Duracell® Powerpack in compartments containing batteries or flammable materials, or in locations that require ignition-protected equipment.

The Duracell® Powerpack should be operated only in a location that meets these requirements:

Dry	Do not allow water or other liquids to drop or splash on the Duracell® Powerpack.
Cool	Ambient air temperature should be between 0 and 40°C (32 and 104°F)—the cooler the better within this range.
Ventilated	Leave at least 2" (5 cm) clearance around the Duracell® Powerpack for air flow. Ensure that the ventilation openings are not obstructed.
Safe	Do not operate the unit in the same compartment as batteries or in any compartment capable of storing flammable liquids like gasoline.
Protected from battery gases	Do not operate the Duracell® Powerpack where it will be exposed to battery gases. These gases are very corrosive, and prolonged exposure will damage the Duracell® Powerpack.

Using Duracell® Powerpack for the First Time

Important: Prior to operating your AC appliance or 12 V DC appliance, ensure that the battery of the Duracell® Powerpack is fully charged. If the battery has been fully discharged, recharging with the AC charger may take up to 24 hours.

Recharging with the AC Charger

Note: The Duracell® Powerpack battery level LEDs are only accurate when the Duracell® Powerpack has been disconnected from all appliances and all charging sources for fifteen minutes.

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



CAUTION

Do not operate AC or DC appliances with the Duracell® Powerpack while the Duracell® Powerpack is being recharged with the AC charger.

The AC charger may be permanently damaged if AC appliances or 12 V DC appliances are operated while the AC charger is connected.

To recharge with the AC charger:

1. Disconnect any 12 V DC appliances from the DC power outlets.
 2. Disconnect any AC products from the Duracell® Powerpack and turn the AC Power ON/OFF switch to OFF.
 3. Insert the AC charger cable end into the AC charger input socket located under the red jump-starting clamp (see figure on page 6).
 4. Plug the AC charger into a standard AC wall outlet.
-

The Battery Status LED changes from red to green when charging is complete (about 24 hours if the battery is completely discharged).

Important: The 24-hour charging time for the Duracell® Powerpack assumes that there is 120 V AC at the AC wall outlet. If the voltage is less than 120 V AC, it may take more than 24 hours to fully recharge the Duracell® Powerpack. If, after 24 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 Duracell® Powerpack in storage, the battery will self-discharge over time. Remember to recharge the battery every three months to keep the Duracell® Powerpack operational.

Note: Once fully charged, the charging current automatically reduces to a maintenance charge mode, and the Duracell® Powerpack may be left permanently connected to the AC charger.

Using the Flashlight

The Duracell® Powerpack has a detachable flashlight that operates for up to 6 hours before needing to be recharged.

To detach the flashlight, push the rim of the flashlight lens straight back, then swing the light away from the unit.

To replace the flashlight, insert the flashlight base first, aligning the arrow on the flashlight base with the arrow on the Powerpack, then click the front of the flashlight into place (see Figure 3-1).

If the flashlight is difficult to replace and makes a “chattering” sound or doesn’t recharge as expected, check the metal contacts on the flashlight and in the flashlight compartment of the Duracell® Powerpack for dirt, corrosion or debris.



WARNING: Shock hazard

Ensure the Duracell® Powerpack is unplugged from all AC and DC power before checking the metal contacts in the flashlight compartment.

The contacts may be cleaned using an alcohol swab.

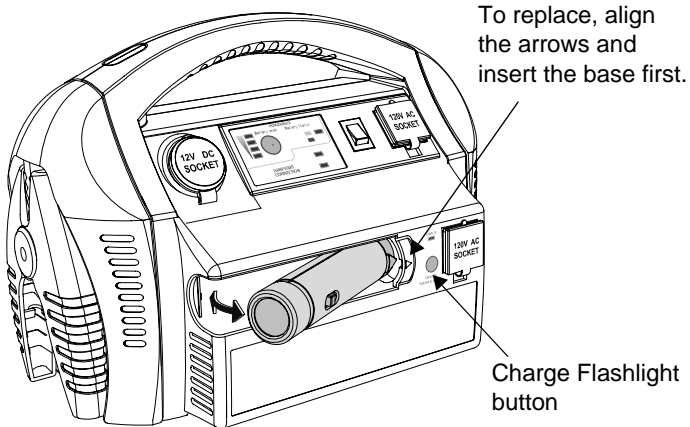


Figure 3-1 Removing and Replacing the Flashlight

The flashlight is made up of four small LEDs, rather than one large LED. When the flashlight needs recharging, it will conserve power and maximize the illumination by shutting off one LED at a time, rather than dimming all the LEDs.

The flashlight recharges whenever the Duracell® Powerpack is charging with the AC charger or DC charging cable.

When a source of charging power is not available, you can recharge the flashlight from the Duracell® Powerpack internal battery. This is intended for emergency use only.

To recharge the flashlight from the Duracell® Powerpack:

- Press and hold the Charge Flashlight button for two seconds.

While the flashlight recharges, the green Status LED turns on. When the flashlight is ready to use, the Status LED turns off.

A fully discharged flashlight takes 15 hours to recharge from the Duracell® Powerpack.

Note: Keep the flashlight in the flashlight holder after each use. The internal circuitry will maintain the flashlight battery in fully charged status and in good condition.

Operating AC Appliances

Understanding AC Appliances

AC appliances are rated by how much electrical power (in watts) they consume. Duracell® Powerpack can power most appliances within its continuous power rating (240 W, 2 A).

Some appliances may be difficult or impossible to operate from the Duracell® Powerpack. They may have high surge requirements or should not be run from the Duracell® Powerpack. See “High Surge Appliances” on page 16 and “Trouble Appliances” on page 16.

Run Time on Typical AC Appliances

Note: The fewer watts an AC appliance uses, the longer the Duracell® Powerpack will operate before recharging is required.

Typical AC appliances that can be used on the Duracell® Powerpack are listed in Table 3-1.

Table 3-1 AC Appliances and Run Times

AC Appliance	Watts ^a	Time ^b
Cordless phone	5	10 hrs.
Portable stereo	10	7 hrs.
Laptop computer	20	2 hrs. 30 min.
Fan	100	25 min.
36" TV	133	20 min.
3/8" drill	300	5 min.

- a. Represents actual power consumption as measured on sample appliances.
b. Operating times assume a fully charged 12 Ah battery and may vary based on model/brand of appliance.

High Surge Appliances

The wattage rating of AC appliances is the average power used by the appliance. Appliances such as televisions and appliances with motors consume much more power than their average rating when they are first switched on.

Although the Duracell® Powerpack can supply momentary surge power up to 480 W, some appliances may exceed the capabilities of the Duracell® Powerpack and trigger the safety overload shutdown circuit.

Trouble Appliances



CAUTION

The output of the Duracell® Powerpack's inverter is a non-sinusoidal modified sine wave. Some equipment may be damaged by the Duracell® Powerpack's inverter modified sine wave (non-sinusoidal) output.

Some appliances, including the types listed below, may be damaged if they are connected to the inverter:

- Electronics that modulate RF (radio frequency) signals on the AC line will not work and may be damaged.
 - Speed controllers found in some fans, power tools, kitchen appliances, and other loads may be damaged.
 - Some chargers for small rechargeable batteries can be damaged. See “Precautions for Using Rechargeable Appliances” on page viii for details.
 - Metal halide arc (MHI) lights can be damaged.
-

Note: If you are unsure about powering any device with the inverter, contact the manufacturer of the device.

Operating Several Appliances at Once

You can run several AC appliances if the total rating of all the appliances (in watts) does not exceed 240 W. Run time, however, will decrease accordingly with the number of appliances being operated and the AC power being consumed.

Operating an AC Appliance

Before operating your AC appliance, ensure that the battery of the Duracell® Powerpack is fully charged. See “Recharging with the AC Charger” on page 11 for details.

To operate an AC appliance:

1. Turn the AC Power ON/OFF switch to the ON position.
The switch illuminates to indicate AC power is available at the AC power outlets.
2. Open the protective cover on the AC power outlets.
3. Plug the AC appliance into an AC power outlet and turn the appliance on. Duracell® Powerpack will operate most devices rated up to 240 W.
4. Recharge the Duracell® Powerpack as soon as possible after each use.

In the event of an overload, low battery voltage or overheating, the Duracell® Powerpack automatically shuts down.

Operating 12 V DC Appliances

The Duracell® Powerpack can operate 12 V DC auto, RV, marine, or other portable appliances that draw 12 A or less from a 12 V 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 12 V DC appliance draws, the longer the Duracell® Powerpack will operate before recharging is required.

Typical 12 V DC appliances that can be used with the Duracell® Powerpack are listed in Table 3-2.

Table 3-2 12 V DC Appliances and Run Times

12 V DC Appliance	Watts ^a	Hours ^b
Cellular telephone ^c	6	15
Stereo/CD player	10	7.5
Portable Cooler	30	2.3

- a. Represents actual power consumption as measured on sample appliances.
- b. Operating times assume a fully charged 12 Ah battery and may vary based on model or brand of appliance.
- c. Represents talk time available from 5 recharge cycles.

To operate a 12 V DC appliance:

1. Open the protective cover on the DC power outlet of the Duracell® Powerpack.
2. Plug the 12 V DC appliance into the DC power outlet on the left side of the unit, and turn the 12 V DC appliance on (if required).

If the 12 V DC appliance draws more than 12 A (or has a short-circuit defect), the internal circuit breaker of the Duracell® Powerpack shuts off the power to the 12 V DC appliance. If this occurs, unplug the 12 V DC appliance. The internal circuit breaker automatically resets after a few seconds.

3. Fully recharge the Duracell® Powerpack as soon as possible after each use.

As the DC power outlet is internally wired directly to the Duracell® Powerpack's battery, extended operation of a 12 V DC appliance may result in excessive battery discharge. See Caution for Equipment damage on page 18.

Jump-Starting a Vehicle's Engine

You can use the Duracell® Powerpack to jump-start a vehicle or boat engine (all 4 cylinder and most 6 cylinder engines) that has a 12 V 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. Always switch OFF the Jump-Start power switch and store the jump-start clamps in the appropriate holder on each side of the Duracell® Powerpack after use.



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.

Important: Closely follow these instructions for jump-starting your vehicle as they may be different from the instructions supplied with other jump-starting products or jump-start cables.

To jump-start a vehicle or boat 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 before jump-starting.
4. Position the Duracell® Powerpack on a flat, stable surface near the battery and away from all moving parts of the engine.
Ensure that the jump-starting power switch is OFF.
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.

If the Red Jumpstart Connection LED illuminates and the Duracell® Powerpack's alarm sounds, then reverse polarity has been detected. Correct polarity must be established before proceeding. Disconnect the jump-start clamps from the vehicle's battery and redo steps 5 and 6 in this procedure.

If no alarm sounds, and the Green Jumpstart Connection LED is illuminated, then proceed to the next step.

7. Switch ON the jump-starting power switch.
Before starting the engine, make sure the Duracell® Powerpack and the cables are clear of belts and fans.
8. Crank the engine for 4 seconds or until it starts, whichever is first.



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 Duracell® Powerpack to cool down for at least 3 minutes after each jump-start.

9. Switch OFF the jump-starting power switch.
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 Duracell® Powerpack.

Important: Recharge the Duracell® Powerpack as soon as possible after each use. See “Recharging the Duracell® Powerpack Battery” on page 29.

Using the Air Compressor



WARNING: Fire hazard

The compressor is designed for short term operation only. Operating the compressor over an extended period of time will cause the compressor unit to overheat which could lead to fire. Allow the compressor to cool down for 10 minutes after each 10 minutes of continuous operation.



WARNING: Risk of personal injury or damage to equipment

Never leave the compressor unattended while in operation. Keep out of reach of children. The compressor is capable of inflating to 250 PSI. Do not exceed the recommended pressure of either the compressor or the object being inflated. If either recommended pressure is exceeded, an explosion may result.



WARNING: Risk of personal injury or damage to equipment

Never leave the compressor unattended after it has switched itself off due to overheating. It will turn on again and continue inflating when its internal temperature drops.

Turn the compressor off at the power switch after each use or any time the compressor turns off automatically.

Over-temperature Safety Protection

It is recommended that you follow the warnings and turn the compressor off for 10 minutes after every 10 minutes of operation. However, the Duracell® Powerpack 300 is equipped with an over-temperature safety protection feature that automatically turns the compressor off if it begins to overheat. Once the compressor cools down to its normal operating temperature it will automatically turn on again and continue inflating. You should turn the compressor off at the power switch if this safety feature engages, and allow the compressor to cool for 15 minutes before restarting.

Inflating Tires

Table 3-3 Pressure Specifications for Common Items

Tires	PSI	Other Inflatables	PSI
520-13	26	Football	13
A-78-14	26	Basketball	9
E78-14	30	Volleyball	5
H-78-14	24	Lawn Tractor Tire	22
HR-78-15	28		
Bicycle Tires			
27 x 1 ¼	85		
20 x 1 ½	40		

Note: The information in the table is for reference only. For precise pressure specifications, refer to the information supplied with the item to be inflated.



CAUTION

If the pressure gauge on the compressor indicates more than twice the recommended pressure for the object you are inflating, and you have only started to inflate the object, the valve connector is incorrectly connected to the valve stem. This may damage the Duracell® Powerpack 300. Remove and reattach the valve connector to the valve stem.

To inflate your vehicle, motorcycle, or bicycle tires:

1. Place the valve connector securely on the tire valve stem, push it as far as possible to allow normal airflow, and close the thumb latch. If necessary, use a supplied nozzle adaptor.
2. Turn the compressor on, and inflate your tire to the recommended pressure. Use Table 3-3 as a guide only.

3. Turn the compressor off after appropriate pressure is reached.
4. Open the thumb latch and remove the valve connector from the valve stem.
5. Check air pressure with a pressure gauge.

Note: Leave the thumb latch in the open position for storing to relieve pressure on the internal mechanisms.

Inflating Small Sports Equipment

You can use the compressor to inflate small sports equipment such as soccer balls and footballs.



CAUTION

The Duracell® Powerpack 300 cannot be used to inflate large capacity inflatables such as float tubes, large air mattresses, and inflatable boats. These types of products require extended inflating times that may damage the compressor.

To inflate small sports equipment:

1. Place the valve connector fully on or into the valve receptacle on the item. Go to Step 4.
- OR
- If necessary, use a supplied nozzle adaptor.
2. Choose the appropriate nozzle adaptor, insert the nozzle adaptor into the valve stem and close the thumb latch.
 3. Insert nozzle adaptor into the valve receptacle of the item.
 4. Turn the compressor on and inflate to appropriate pressure.
-



WARNING: Fire hazard

Allow the compressor to cool down for 10 minutes after each 10 minutes of continuous operation.

5. Turn the compressor off before removing nozzle adaptor from valve stem.
-

6. Remove nozzle adaptor from valve connector and store in storage compartment.
-

Note: Leave the thumb latch in the open position for storing to relieve pressure on the internal mechanism.

Connecting to an External Battery

You can extend battery operating times by connecting the Duracell® Powerpack to a larger external battery.

For example, an external 60 Ah battery gives approximately five times the operating time of the Duracell® Powerpack internal 12 Ah 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 must be connected positive to positive (red clamp to battery "+") and negative to negative (black clamp to battery "-"). A reverse polarity connection (positive to negative) may cause damage to the unit and/or create a sparking/explosion hazard.



WARNING: Acid spills

Use a sealed, non-spillable battery for indoor use. Common auto and marine batteries are not suitable for indoor use unless their fumes are vented outdoors. Common auto and marine batteries contain acid, which is hazardous if spilled. Wear eye protection and protective clothing when connecting the Duracell® Powerpack to an external battery.

To connect the Duracell® Powerpack to an external battery using the jump-start cables:

1. Ensure that the jump-start power switch is OFF.
2. Connect the red positive (+) clamp of the cables to the red positive (+) terminal of the external battery.
3. Connect the black negative (–) clamp of the cables to the black negative (–) terminal of the external battery.

If the Red Jumpstart Connection LED illuminates and the alarm sounds, then reverse polarity has been detected. Correct polarity must be established before proceeding. Disconnect the jump-start clamps from the battery and redo steps 2 and 3 in this procedure.

If no alarm sounds, and the Green Jumpstart Connection LED is illuminated, then proceed to the next step.

4. Switch ON the jump-start power switch.

To disconnect the cables from an external battery and from the Duracell® Powerpack:

1. Ensure that the jump-start power switch is OFF.
2. Remove the red positive (+) clamp, and then remove the black negative (–) clamp from the external battery terminals.
3. Store the jump-start clamps in the appropriate holder on each side of the Duracell® Powerpack.
4. Recharge the Duracell® Powerpack as soon as possible after use.



CAUTION

Do not recharge the Duracell® Powerpack when an external battery is connected. The AC charger may be damaged.

4 Maintenance

Chapter 4 provides information on maintaining your internal battery, recharging options for the internal battery, and replacing user-replaceable parts.

Routine maintenance is required to keep your Duracell® Powerpack 300 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 charger supplied with the Duracell® Powerpack 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 Duracell® Powerpack 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 Duracell® Powerpack battery if it is frozen. Gradually warm the frozen battery to 0°C (32°F) before recharging.

Recharging the Duracell® Powerpack Battery

To check the Duracell® Powerpack's charge level, press the Battery Level button.

Note: The Duracell® Powerpack Battery Level LEDs are only accurate when the Duracell® Powerpack has been disconnected from all appliances and all charging sources for 15 minutes.

You can recharge the battery using:

- the fully automatic “plug-in-and-forget” AC charger.
- the DC charging cable to recharge from your vehicle as you drive.
- a generator equipped with a regulated 12 V battery charging outlet.
- a solar panel.

Recharging with the AC Charger

Recharging with the AC charger is a true “plug-in-and-forget” charging method.



CAUTION

Do not operate AC or DC appliances with the Duracell® Powerpack while the Duracell® Powerpack is being recharged with the AC charger.

The AC charger may be permanently damaged if AC appliances or 12 V DC appliances are operated while the AC charger is connected.

To recharge with the AC charger:

1. Disconnect any 12 V DC appliances from the DC power outlets.
 2. Disconnect any AC products from the Duracell® Powerpack and turn the AC Power ON/OFF switch to OFF.
 3. Insert the AC charger cable end into the AC charger input socket located under the red jump-starting clamp.
-

4. Plug the AC charger into a standard AC wall outlet.
5. While the Duracell® Powerpack is recharging, the Battery Status LED is red. If the Duracell® Powerpack is completely discharged, a typical recharge may take up to 24 hours. When fully charged, the Battery Status LED changes to green and the Duracell® Powerpack is ready to use.

Important: The 24-hour charging time for the Duracell® Powerpack assumes that there is 120 V at the AC wall outlet. If the voltage is less than 120 V AC, it may take more than 24 hours to fully recharge the Duracell® Powerpack. If, after 24 hours of charging, the Battery Status LED is still red, continue to charge the unit for another 12 hours. The Duracell® Powerpack will be ready for use even if the Battery Status LED remains red.

Once the Duracell® Powerpack is fully charged, the charging voltage and current automatically reduces to a maintenance level and the Duracell® Powerpack may be left permanently connected to the AC charger. If your utility power is interrupted, the charging process automatically restarts when power returns.

Recharging with the DC Charging Cable

Using the DC charging cable, the Duracell® Powerpack can be recharged while you drive your vehicle.

Important: Although the charge regulation circuitry in the Duracell® Powerpack does not operate with this charging method, most vehicle voltage regulators will ensure that the Duracell® Powerpack is not overcharged.

Note: The Battery Status LED will not illuminate when the Duracell® Powerpack is recharged using the DC charging cable.



WARNING: Fire and explosion hazard

Do not use this recharging method if your vehicle has abnormally high voltage electrical systems that operate above 15 V DC. This may lead to accumulations of hydrogen, causing exposure to fire and explosion hazard.



CAUTION

Do not operate AC or DC appliances while the Duracell® Powerpack is being recharged with the DC charging cable from your vehicle.

To recharge the Duracell® Powerpack while you drive using the DC charging cable:

1. While the vehicle engine is running, plug one end of the DC charging cable into a DC power outlet on the Duracell® Powerpack.
2. Plug the opposite end of the DC charging cable into the vehicle's lighter socket or 12 V accessory outlet.
3. Once the Duracell® Powerpack is fully charged or if your vehicle's engine is not running, disconnect the DC charging cable from both sockets.

Most of the Duracell® Powerpack's capacity will be restored in 2 ½ hours while the vehicle engine is running.

Note: The Battery Level LEDs are only accurate when the Duracell® Powerpack has been disconnected from all appliances and all charging sources for 15 minutes.

Important:

Do not leave the Duracell® Powerpack permanently connected to the vehicle's lighter socket or 12 V accessory outlet.

Do not solder or hard wire the DC charging cable from the Powerpack to an external electrical system. The charging cable is designed for temporary use only to recharge the Powerpack battery.

Recharging with a Generator's Regulated 12 V DC Outlet



WARNING: Fire and explosion hazard

The generator output must be intended for battery charging and have an output of 15 V or less. An unregulated output or one that exceeds 15 V DC can damage the battery.

This may lead to accumulations of hydrogen, causing exposure to fire and explosion hazard.

Refer to the Owner's Guide accompanying your generator for detailed instructions on connecting the generator to a unit like the Duracell® Powerpack.

You can recharge the Duracell® Powerpack using a generator in several ways:

- Using a generator that has an auxiliary regulated 12 V DC output designed for charging 12 V DC batteries. Most generators are equipped with them. Use this power source for faster charging.
- Using a generator with a regulated 12 V DC lighter socket. Follow the connection instructions in "Recharging with the DC Charging Cable" on page 30.

Using the AC charger to recharge the Duracell® Powerpack from a generator is possible, but would require extended generator running time.

Most of the Duracell® Powerpack's battery capacity will be recharged in a few hours.

Note: The Battery Level LEDs are only accurate when the Duracell® Powerpack has been disconnected from all appliances and all charging sources for 15 minutes.

Recharging from a Solar Panel

Small, unregulated 12 V solar panels rated to produce a maximum of 2.5 A (or 30 W) can be used to charge the Duracell® Powerpack through the AC charger Input socket.

You will need to purchase a standard 5.5 mm OD \times 2.5 mm ID (0.217 \times 0.10") coaxial DC (barrel type center positive) connector to mate with the AC charger input socket.

To wire the coaxial DC connector:

1. Connect the solar panel's red positive (+) wire to the coaxial plug's inner or center contact.
2. Connect the solar panel's black negative (–) wire to the plug's outer contact. See Figure 4-1.

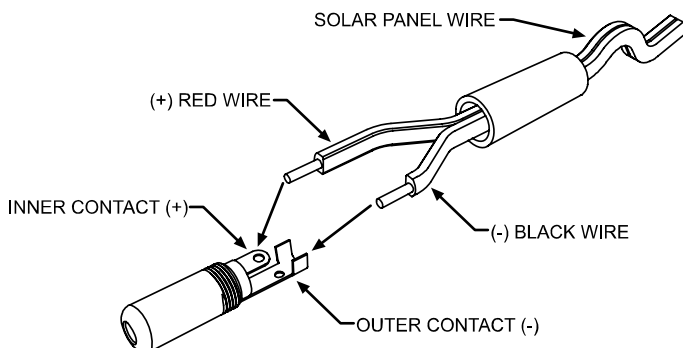


Figure 4-1 Typical DC Coaxial Connector Connection

Once the connector is inserted into the AC charger input socket and the solar panel is placed in the sun, the Duracell® Powerpack charges automatically just as with the AC charger. See “Recharging with the AC Charger” on page 29.

It takes about six hours in direct sunlight to recharge the Duracell® Powerpack from a 2.5 A solar panel.

Recycling

If it's rechargeable, it's recyclable!

Xantrex recognizes its responsibility as a global citizen and is continually striving to reduce the environmental impact of the work we do and the products we create. We have taken a step forward to limit our impact on the natural environment by initiating a battery recycling program. Xantrex is a licensee of the Rechargeable Battery Recycling Corporation ("RBRC"), a non-profit public service organization dedicated to recycling used rechargeable batteries. Through RBRC's national program and the availability of recycling depots for Pb batteries, Xantrex customers can recycle rechargeable batteries in a convenient and environmentally friendly way.

If one of your Xantrex battery-integrated products has reached the end of its useful life, we urge you to dispose of the product correctly and safely. Xantrex recommends taking the following steps to recycle your product depending on battery chemistry and size.

Ni-MH, Li-ion or small Pb Batteries (up to 2 lbs. or 1 kg)

If you are recycling a product that contains a Ni-MH, Li-ion or small Pb battery (up to 2 lbs. or 1 kg) then you can simply drop it off at the battery drop-box located at any one of the following major retailers.

In Canada: Battery Experts, Battery Plus, Bell World, FIDO, Future Shop, The Home Depot, Home Hardware, London Drugs, Makita Factory Service Centers, Personal Edge, Revy, Sears, The Sony Store, The Source by Circuit City, TELUS Mobility and Zellers

In the USA: Alltel, Batteries Plus, Black & Decker, Cingular Wireless, Circuit City, The Home Depot, Lowe's, Milwaukee Electric Tool, Office Depot, Orchard Supply, Porter Cable Service Centers, RadioShack, Remington Product Company, Sears, Staples, Target, US Cellular and Verizon Wireless

If you are not sure of the drop-box nearest you, simply call 1-877-2-RECYCLE to find the retail collection nearest you.

Pb Batteries (larger than 2 lbs. or 1 kg)

If you need to recycle a Pb battery that is larger than 2lbs. (1kg) then you may take one of the following three steps to recycle your battery:

- dispose of your battery product 'as is' at a battery disposal location or waste disposal location nearest you.
- send your battery product 'as is' back to Xantrex for proper recycling of the battery (see address below).

Xantrex Technology Inc.

Attn: Battery Recovery

5917 195th Street NE

Arlington, WA

USA, 98223

- dispose of the battery inside your product, by first removing it (simple disassembly may be required) and then taking it to a Sears Automotive Facility in your area where it can be dropped off for proper recycling.

* If you are not sure of a Sears Automotive Facility nearest you simply go to www.Sears.com and select store locator.

5 Troubleshooting

Troubleshooting will help you identify the common problems than can occur with the Duracell® Powerpack 300.

If you cannot solve the problem with the Duracell® Powerpack, record the information asked for on “Information About Your System” on page 50 and then contact your dealer.

Common Problems

Buzz in Audio Equipment

Some inexpensive stereo systems have inadequate internal power-supply filtering and may buzz slightly when powered by the Duracell® Powerpack. The best solution to eliminate the buzzing is to use an audio system with a good quality filter.

Television Interference

The Duracell® Powerpack is shielded to minimize interference with TV signals. If TV signals are weak, you may see interference in the form of lines scrolling across the TV screen. Try one of the following suggestions to minimize or eliminate the interference:

- Increase the distance between the Duracell® Powerpack and the TV, antenna, and cables.
- Adjust the orientation of the Duracell® Powerpack, television, antenna, and cables.
- Maximize TV signal strength by using a better antenna. Use a shielded antenna cable where possible.
- Try a different TV. Different models vary considerably in their susceptibility to interference.

Troubleshooting Reference



WARNING: Electric shock hazard

Do not remove the cover of the Duracell® Powerpack or disassemble the Duracell® Powerpack. The Duracell® Powerpack does not contain any internal user-serviceable parts and attempting to service the unit yourself could result in electrical shock or burn.

Table 5-1 Troubleshooting reference

Problem	Possible Cause	Solution
AC appliance will not operate.	AC appliance rated more than 300 W: the safety overload has tripped.	Use an AC appliance with a power rating less than 300 W.
	AC appliance is rated less than 300 W: high starting surge has tripped the safety overload.	AC appliance may exceed the Duracell® Powerpack’s surge capability. Use an AC appliance with a starting surge within the Duracell® Powerpack surge rating.
	Battery has discharged to 10.5 V.	Turn OFF the AC Power ON/OFF switch and recharge the Duracell® Powerpack.
	Duracell® Powerpack has overheated due to poor ventilation or excessively warm environmental conditions.	Turn the AC Power ON/OFF switch OFF and allow the Duracell® Powerpack to cool for 15 minutes or more. Clear blocked opening or remove objects covering the unit, then restart the Duracell® Powerpack and move it to a cooler environment.

Table 5-1 Troubleshooting reference

Problem	Possible Cause	Solution
Overload shutdown	Appliance power requirements exceed the capability of the Duracell® Powerpack.	Unplug the appliance and confirm that the appliance's power requirement is 300 W or less before attempting to restart the appliance.
Run time is less than expected.	Duracell® Powerpack battery is not fully charged.	Recharge using the AC charger, until Battery Status LED is green.
	AC appliance power consumption is higher than expected.	Check AC appliance power or wattage rating (or current draw for 12 V DC appliances) and compare with Table 3-1 on page 15 and Table 3-2 on page 18.
	Environmental temperature is less than 0°C (32°F) or more than 40°C (104°F)	Operate within correct temperature range.

Table 5-1 Troubleshooting reference

Problem	Possible Cause	Solution
Measured AC output voltage is too low.	<p>Using an average-reading AC voltmeter to read output voltage.</p> <p>Duracell® Powerpack battery is almost fully discharged.</p>	<p>The modified sine wave output of the Duracell® Powerpack requires a true RMS reading meter, such as the Fluke 87 series, for accurate measurement.</p> <p>Press Battery Level button to verify battery status and recharge the Duracell® Powerpack as necessary. Battery Level LEDs are only accurate when the unit has been disconnected from all appliances and all charging sources for 15 minutes.</p>
Battery Status LED is OFF when AC charger is connected	<p>No AC power at the AC wall outlet.</p> <p>AC charger is faulty.</p>	<p>Ensure power is available at the AC wall outlet.</p> <p>Replace the AC charger.</p>
Battery Status LED is red and Battery Level LEDs show the battery is full when the Battery Level button is triggered.	Battery Level lights are only accurate when the Duracell® Powerpack has been disconnected from all appliances and all charging sources for 15 minutes.	Unplug the charging sources and any appliances and let the Duracell® Powerpack rest for 15 minutes to obtain an accurate reading.
Battery Status LED is red and has not changed to green after 24 hours of charging.	The voltage at the AC wall outlet is less than 120 V AC.	<p>Use AC wall outlet that supplies 120 V AC.</p> <p>Continue to charge the unit for another 12 hours; the unit will be ready to use even if the Battery Status light remains red.</p>

Table 5-1 Troubleshooting reference

Problem	Possible Cause	Solution
The engine being jump-started will not start.	Duracell® Powerpack battery is not fully charged.	Recharge the Duracell® Powerpack battery.
	The engine condition is poor.	Have the engine serviced.
	The engine start capacity exceeds the Duracell® Powerpack jump-start capability.	Use a higher power Duracell® Powerpack.
The jump-start clamps measure zero volts.	Jump-start power switch is OFF.	Turn the jump-start power switch ON.
	Duracell® Powerpack battery needs to be recharged.	
The compressor runs, but won't inflate.	The valve connector may not be securely placed on the valve stem.	Make sure the valve connector is securely placed on the valve stem before closing the thumb latch.
	The item being inflated may have a leak.	Make sure the item being inflated doesn't have a leak. Check the compressor hose for any breaks or leaks.
The compressor runs slowly.	The compressor may have overheated from excessive use.	Turn off the compressor and let it cool down.
	Battery voltage is too low.	Check the condition of the internal battery. The battery may need to be recharged or replaced.

Table 5-1 Troubleshooting reference

Problem	Possible Cause	Solution
An LED in the flashlight is not lit.	Flashlight is reaching the end of internal battery power.	Plug the Duracell® Powerpack into an AC or DC power source and place the flashlight back in the flashlight compartment for recharging.
Flashlight run time less than expected.	Flashlight was recharged from internal battery when Duracell® Powerpack was not connected to a power source.	For longest run time, ensure the Duracell® Powerpack is connected to the AC charger before recharging the flashlight.
Duracell® Powerpack makes a “chattering” sound when flashlight is inserted into compartment.	Metal contacts on the flashlight or in the flashlight compartment are obstructed with dirt, corrosion or debris.	Unplug the Duracell® Powerpack from all AC or DC power sources and clean the contacts using an alcohol swab.

A Specifications

Electrical Specifications

12 V DC Section	
Internal battery type	Sealed/non-spillable, AGM (Absorbed Glass Mat) lead-acid
Internal battery voltage (nominal)	12 V DC
Internal battery capacity (minimum)	12 Ah
Internal battery CCA rating	120 CCA
Internal battery CA rating	180 CA
DC power outlet (maximum continuous load)	12 A with automatic reset

AC Power Section	
Output power	
• Continuous output power	240 W
• Peak output power	300 W
• Peak AC output surge capacity	480 W
Output voltage	120 ± 10 V AC RMS
Output frequency	60 Hz
Output wave form	modified sine wave
No load current draw	<0.30 A DC
Input voltage range	10.5 to 15.5 V DC
Low battery alarm	10.8 V DC
Low battery shutdown	10.5 V DC
High battery voltage shutdown	Yes, automatic reset
Over temperature shutdown	Yes, automatic reset
Overload shutdown	Yes, automatic reset
AC output short circuit protection	Yes, automatic reset
Fuse (internal)	40 A
Operating temperature range	0–40 °C (32–104 °F)
Storage temperature range	0–30 °C (32–86 °F)

Internal Battery Charging Controller System	
AC charger bulk charging current	500 mA
Peak charging voltage (nominal)	14.2 V
Charge restart voltage (nominal)	12.9 V
Float charge after full charge is completed (nominal)	1 mA
AC charger input socket maximum current	2.5 A

Air Compressor	
Pressure	250 PSI (lb/in ²)

Accessories	
DC charge cable	39" (1 m) 18 AWG with male to male lighter plugs (part # 449-0187-01-01)
AC charger	Input: 120 V AC, 60 Hz, 11 W Output: 13.5 V DC, 500 mA (part # 074-1003)
Flashlight	Part # 808-7130
Compressor nozzles	Part # 160-0015-01-01

Physical Specifications

Physical specifications	Duracell® Powerpack
Length	12.5" (31.7 cm)
Width	9.25" (23.4 cm)
Height	8.0" (20.3 cm)
Weight	14.3 lb (6.48 kg)

Important: All specifications are subject to change without notice.

Warranty and Return

Warranty

What does this warranty cover? This Limited Warranty is provided by Xantrex Technology Inc. ("Xantrex") and covers defects in workmanship and materials in your Duracell® Powerpack 300. This warranty period lasts for 6 months from the date of purchase at the point of sale to you, the original end user customer. You require proof of purchase to make warranty claims.

What will Xantrex do? Xantrex will, at its option, repair or replace the defective product free of charge, provided that you notify Xantrex of the product defect within the Warranty Period, and provided that Xantrex through inspection establishes the existence of such a defect and that it is covered by this Limited Warranty.

Xantrex will, at its option, use new and/or reconditioned parts in performing warranty repair and building replacement products. Xantrex reserves the right to use parts or products of original or improved design in the repair or replacement. If Xantrex repairs or replaces a product, its warranty continues for the remaining portion of the original Warranty Period or 90 days from the date of the return shipment to the customer, whichever is greater. All replaced products and all parts removed from repaired products become the property of Xantrex.

Xantrex covers both parts and labor necessary to repair the product, and return shipment to the customer via a Xantrex-selected non-expedited surface freight within the contiguous United States and Canada. Alaska and Hawaii are excluded. Contact Xantrex Customer Service for details on freight policy for return shipments outside of the contiguous United States and Canada.

How do you get service? If your product requires troubleshooting or warranty service, contact your dealer.

If you are unable to contact your dealer, or the dealer is unable to provide service, contact Xantrex directly at:

Phone: 1 408 987 6359

Website: www.xantrex.com/support

Direct returns may be performed according to the Xantrex Return Material Authorization Policy described in your product manual. For some products, Xantrex maintains a network of regional Authorized Service Centers. Call Xantrex or check our website to see if your product can be repaired at one of these facilities.

What proof of purchase is required? In any warranty claim, dated proof of purchase must accompany the product and the product must not have been disassembled or modified without prior written authorization by Xantrex.

Proof of purchase may be in any one of the following forms:

- The dated purchase receipt from the original purchase of the product at point of sale to the end user, or
- The dated dealer invoice or purchase receipt showing original equipment manufacturer (OEM) status, or
- The dated invoice or purchase receipt showing the product exchanged under warranty

Warranty and Return

What does this warranty not cover? This Limited Warranty does not cover normal wear and tear of the product or costs related to the removal, installation, or troubleshooting of the customer's electrical systems. This warranty does not apply to and Xantrex will not be responsible for any defect in or damage to:

- a) the product if it has been misused, neglected, improperly installed, physically damaged or altered, either internally or externally, or damaged from improper use or use in an unsuitable environment;
- b) the product if it has been subjected to fire, water, generalized corrosion, biological infestations, or input voltage that creates operating conditions beyond the maximum or minimum limits listed in the Xantrex product specifications including high input voltage from generators and lightning strikes;
- c) the product if repairs have been done to it other than by Xantrex or its authorized service centers (hereafter "ASCs");
- d) the product if it is used as a component part of a product expressly warranted by another manufacturer;
- e) the product if its original identification (trade-mark, serial number) markings have been defaced, altered, or removed.

Disclaimer

Product

THIS LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY XANTREX IN CONNECTION WITH YOUR XANTREX PRODUCT AND IS, WHERE PERMITTED BY LAW, IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS, GUARANTEES, REPRESENTATIONS, OBLIGATIONS AND LIABILITIES, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE IN CONNECTION WITH THE PRODUCT, HOWEVER ARISING (WHETHER BY CONTRACT, TORT, NEGLIGENCE, PRINCIPLES OF MANUFACTURER'S LIABILITY, OPERATION OF LAW, CONDUCT, STATEMENT OR OTHERWISE), INCLUDING WITHOUT RESTRICTION ANY IMPLIED WARRANTY OR CONDITION OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT REQUIRED UNDER APPLICABLE LAW TO APPLY TO THE PRODUCT SHALL BE LIMITED IN DURATION TO THE PERIOD STIPULATED UNDER THIS LIMITED WARRANTY.

IN NO EVENT WILL XANTREX BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSSES, COSTS OR EXPENSES HOWEVER ARISING WHETHER IN CONTRACT OR TORT INCLUDING WITHOUT RESTRICTION ANY ECONOMIC LOSSES OF ANY KIND, ANY LOSS OR DAMAGE TO PROPERTY, ANY PERSONAL INJURY, ANY DAMAGE OR INJURY ARISING FROM OR AS A RESULT OF MISUSE OR ABUSE, OR THE INCORRECT INSTALLATION, INTEGRATION OR OPERATION OF THE PRODUCT.

Exclusions

If this product is a consumer product, federal law does not allow an exclusion of implied warranties. To the extent you are entitled to implied warranties under federal law, to the extent permitted by applicable law they are limited to the duration of this Limited Warranty. Some states and provinces do not allow limitations or exclusions on implied

warranties or on the duration of an implied warranty or on the limitation or exclusion of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you. This Limited Warranty gives you specific legal rights. You may have other rights which may vary from state to state or province to province.

Warning: Limitations On Use

Please note that the Duracell® Powerpack 300 is not intended for use as an uninterruptible power supply and Xantrex makes no warranty or representation in connection with any use of the product for such purposes.

Return Material Authorization Policy

Before returning a product directly to Xantrex you must obtain a Return Material Authorization (RMA) number and the correct factory "Ship To" address. Products must also be shipped prepaid. Product shipments will be refused and returned at your expense if they are unauthorized, returned without an RMA number clearly marked on the outside of the shipping box, if they are shipped collect, or if they are shipped to the wrong location. When you contact Xantrex to obtain service, please have your instruction manual ready for reference and be prepared to supply:

- The serial number of your product
- Information about the installation and use of the unit
- Information about the failure and/or reason for the return
- A copy of your dated proof of purchase

Record these details in ["Information About Your System"](#) on page 50.

Return Procedure

1. Package the unit safely, preferably using the original box and packing materials. Please ensure that your product is shipped fully insured in the original packaging or equivalent. This warranty will not apply where the product is damaged due to improper packaging.
2. Include the following:
 - The RMA number supplied by Xantrex Technology Inc. clearly marked on the outside of the box.
 - A return address where the unit can be shipped. Post office boxes are not acceptable.
 - A contact telephone number where you can be reached during work hours.
 - A brief description of the problem.
3. Ship the unit prepaid to the address provided by your Xantrex customer service representative.

If you are returning a product from outside of the USA or Canada In addition to the above, you **MUST** include return freight funds and are fully responsible for all documents, duties, tariffs, and deposits.

If you are returning a product to a Xantrex Authorized Service Center (ASC) A Xantrex return material authorization (RMA) number is not required. However, you must contact the ASC prior to returning the product or presenting the unit to verify any return procedures that may apply to that particular facility.

Out of Warranty Service

If the warranty period for your Duracell® Powerpack 300 has expired, if the unit was damaged by misuse or incorrect installation, if other conditions of the warranty have not been met, or if no dated proof of purchase is available, your unit may be serviced or replaced for a flat fee.

To return your Duracell® Powerpack 300 for out-of-warranty service, contact Xantrex Customer Service for a Return Material Authorization (RMA) number and follow the other steps outlined in [“Return Procedure” on page 49](#).

Payment options such as credit card or money order will be explained by the Customer Service Representative. In cases where the minimum flat fee does not apply, as with incomplete units or units with excessive damage, an additional fee will be charged. If applicable, you will be contacted by Customer Service once your unit has been received.

Information About Your System

As soon as you open your Duracell® Powerpack 300 package, record the following information and be sure to keep your proof of purchase.

- ☐ Product Number 852-0307
- ☐ Serial Number _____
- ☐ Purchased From _____
- ☐ Purchase Date _____

If you need to contact Customer Service, please record the following details before calling. This information will help our representatives give you better service.

- ☐ Warning, Error or Panel Fault Message _____
- ☐ Appliances operating when problem occurred _____
- ☐ Description of problem _____
- _____
- _____