

# **DURACELL<sup>®</sup>**

## ***INVERTER 1500***

### **Quick Reference Installation Guide**

# Duracell® Inverter 1500

## Quick Reference Installation Guide

**DURACELL®**  
**INVERTER 1500**

### Unpacking the Duracell® 1500

Your Duracell® 1500 package includes:

- One Duracell® 1500
- Two 5/16" lock washers (on the DC input cable terminals)
- Two 5/16" nuts (on the DC input cable terminals)
- One 4' connector cable assembly with ring terminals (4 AWG)
- Owner's Guide

If any of these materials are missing or are unsatisfactory in any way, please contact your dealer or Xantrex.

### Tools and materials required

Wire stripper

Wrench for DC terminals

Screwdrivers

Crimping tool for fastening lugs and terminals on DC cables.

Four corrosion-resistant fasteners for mounting (#10 or larger)

Two feet of additional DC cable (2 AWG)

Lugs and terminals to connect the DC cables to the battery,  
Disconnect/Battery Selector switch and fuse holder(s)

DC fuse(s) and fuse holder(s)

Copper chassis ground cable with ring terminal

Disconnect/Battery selector switch

**For power requirements greater than 1000 W, you will need:**

Copper DC input cable, 2 AWG minimum

(used instead of supplied DC cable assembly)

Four 5/16" (8 mm) ring terminals for DC cables

### Installation steps

#### 1. Mounting the inverter

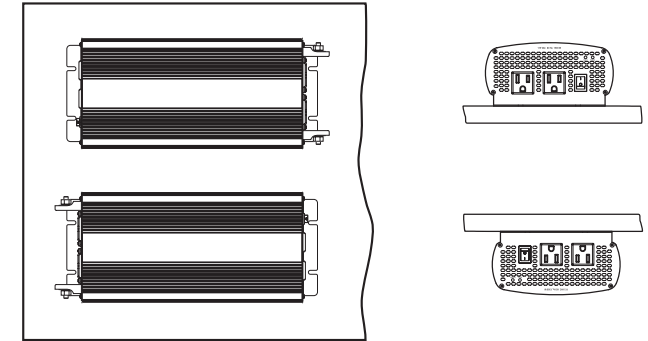
#### 2. Connecting the chassis ground cable

#### 3. Connecting the DC cables

**Important:** For complete specifications, requirements, and detailed procedures, please see the Owner's Guide.

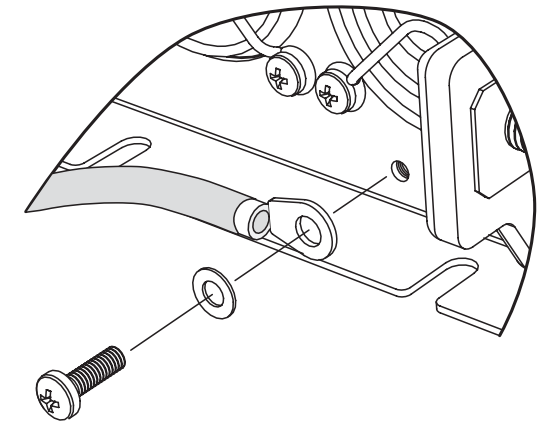
### 1 Mounting the inverter

1. Select an appropriate mounting location and orientation.  
The Duracell® 1500 can be oriented:
  - Horizontally on a vertical surface.
  - On or under a horizontal surface.
2. Using the inverter as a guide, mark the mounting screw positions.
3. Pilot drill the four mounting holes.
4. Fasten the inverter to the mounting surface using four fasteners sized #10 or larger.



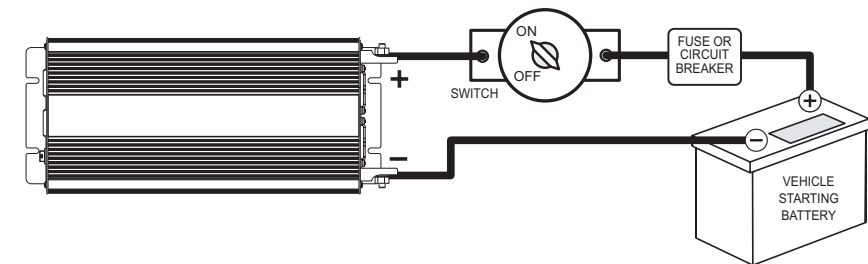
### 2 Connecting the chassis ground cable

1. Remove chassis ground screw and star washer using #2 Phillips screwdriver.
2. Strip 1/2" (13 mm) to 3/4" (19 mm) of insulation from each end of copper chassis ground cable.
3. Attach the ring connector that will join the cable to the chassis ground screw.
4. Fit the chassis ground screw through the star washer and the ring connector back into the screw opening.
5. Tighten the chassis ground screw.
6. Connect other end of ground cable to vehicle chassis.



### 3 Connecting the DC cables

1. If using your own DC cables, use a crimping tool to prepare them with ring terminals or connectors.
2. Install a fuse and Disconnect/Battery Selector Switch on the positive cable.
3. Attach the positive cable to the positive DC terminal on the inverter.
4. Attach a short DC cable to the unconnected end of the DC fuse holder.
5. Observing polarity carefully, connect the other end of the cable from the fuse holder to the positive battery terminal.
6. Connect the negative cable to the negative battery terminal.
7. Connect the other end of the negative cable to the negative DC terminal on the inverter.
8. Use the Disconnect/Battery Selector switch to select a battery or battery bank.



Questions or problems? Call 1 408 987 6359 or go to [www.xantrex.com/support](http://www.xantrex.com/support)