



# PC SERIES ASSEMBLY MANUAL

1 or 2 Battery Setup



Optional second shelf and optional keyboard tray shown in picture above.

### Standard Contents:

- Cart (Assembled)
- Battery & Hardware
- Wastebasket and Bracket & Hardware



### Optional Accessories:

Will either be installed on cart or shipped separately in box with cart.

\*\*Some accessories may be placed in power cabinet or trash can for shipping purposes.

### Tools Supplied:

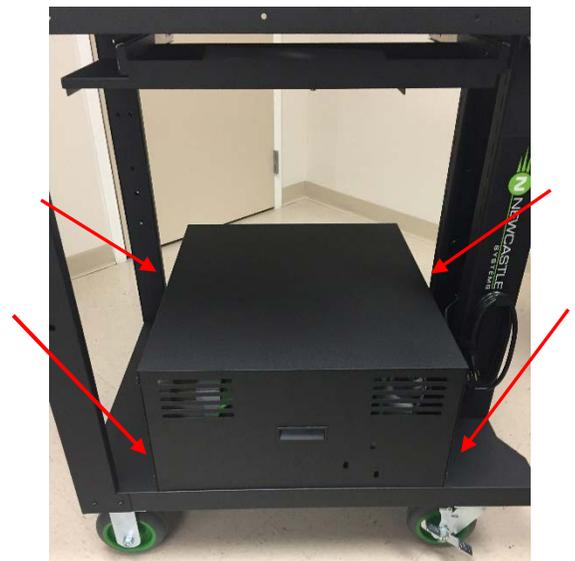
(1) 5/32" Allen wrench to remove power box covering and optional second shelf.

### Additional Tools Required:

(1) 10mm insulated wrench (open end or socket) to tighten battery terminals.



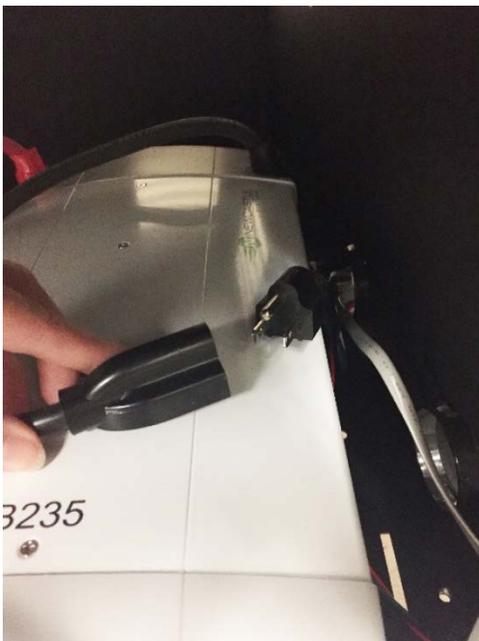
**1.** If second shelf was purchased, remove it to gain access to battery box (Allen wrench required).



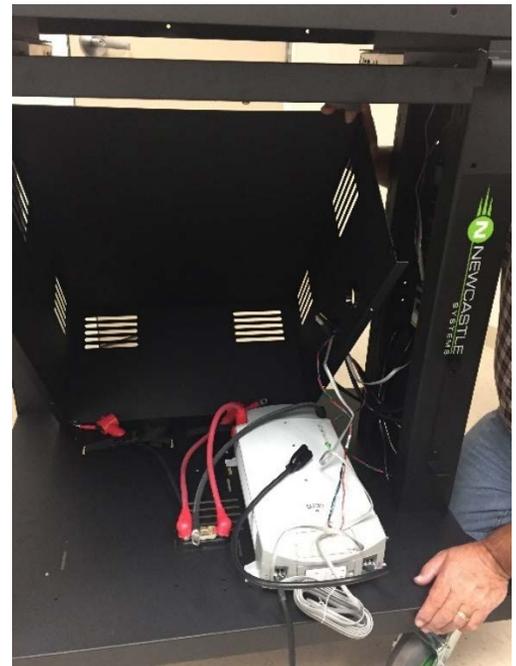
**2.** Remove (4) screws from the sides of the battery box (as shown above) with supplied Allen wrench.



**3.** Remove front battery panel by loosening the thumb screws.



**4.** Unplug the power strip from the inverter/charger.

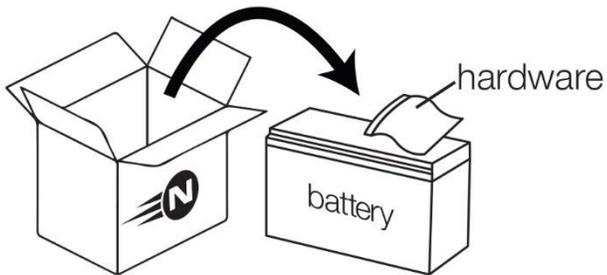


**5.** Carefully lift the battery box and make sure cables stay positioned through the plastic wire grommet.

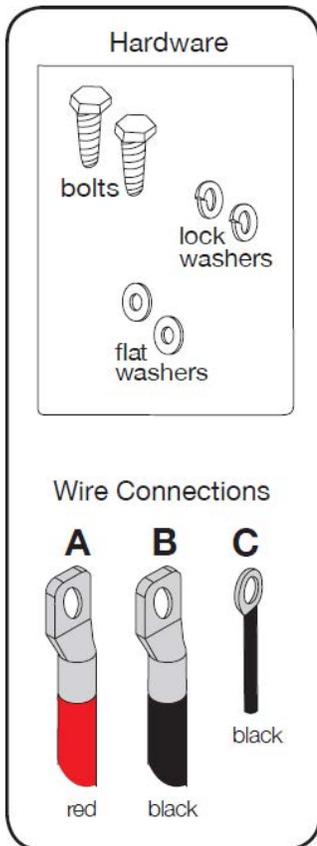
Place battery box on its side as shown below.



**One Battery Setup  
(Skip to page 5 for 2-battery systems)**



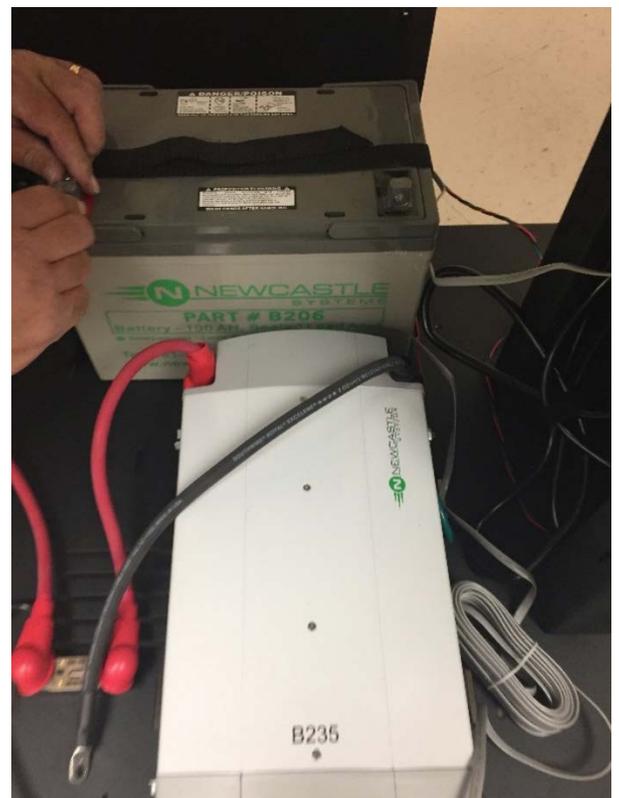
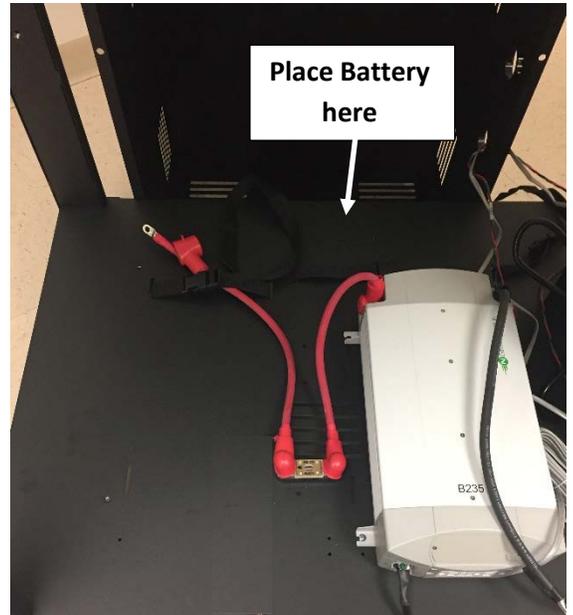
**1.** Remove battery and hardware from packaging.



**Wire A (red)** connects to red positive (+) battery terminal.

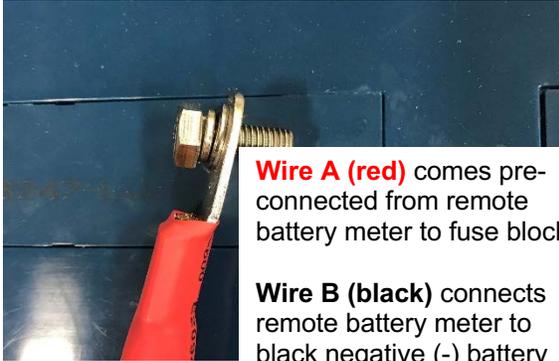
**Wire B (black)** connects to black negative (-) battery terminal.

**Wire C (black)** connects to black negative (-) battery terminal.



**2.** Carefully place battery on base and strap down as shown above.

**One Battery Setup Cont.**

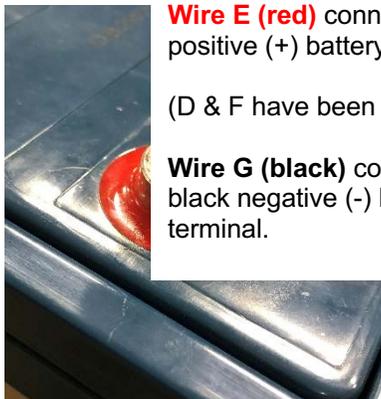


**Wire A (red)** comes pre-connected from remote battery meter to fuse block.

**Wire B (black)** connects remote battery meter to black negative (-) battery terminal.

**3. Positive Connection:** first, then flat washer, the shown above.

(C has been omitted)



**Wire E (red)** connects to red positive (+) battery terminal.

(D & F have been omitted)

**Wire G (black)** connects to black negative (-) battery terminal.

**4.** Securely tighten terminal bolt with 10mm wrench.



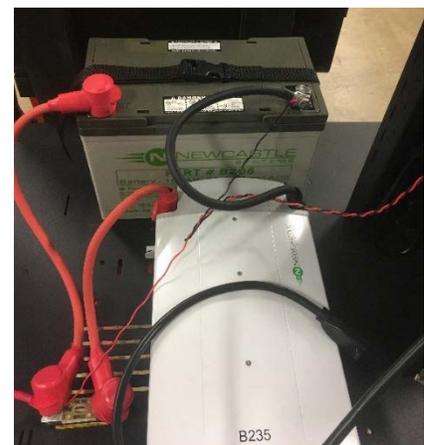
**5.** Pull rubber boot over tightened terminal.



**6. Negative Connection:** Place lock washer onto bolt first, then flat washer, then small black wire (C), then large black wire (B) in order shown above.



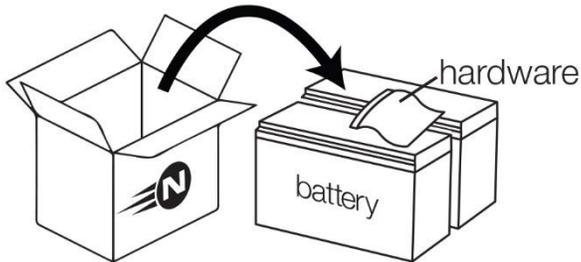
**7.** Securely tighten terminal bolts with a 10mm wrench.



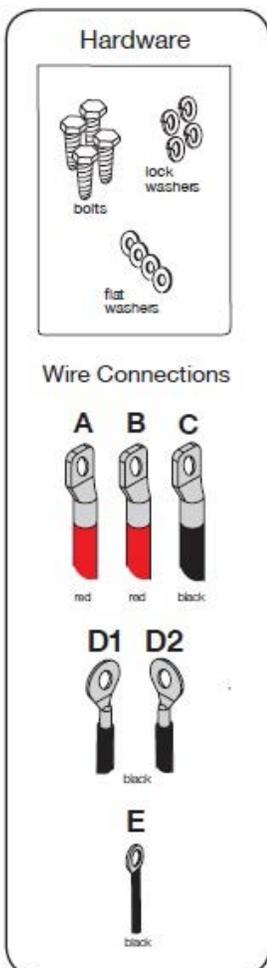
**SKIP TO PAGE 8.**

## Two Battery Setup

(proceed to page 8 if only 1 battery setup)



**1.** Remove batteries and hardware from packaging.



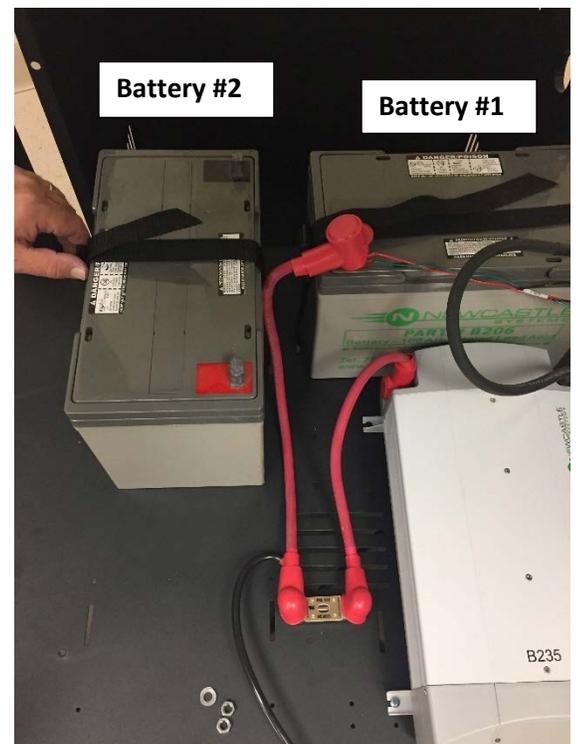
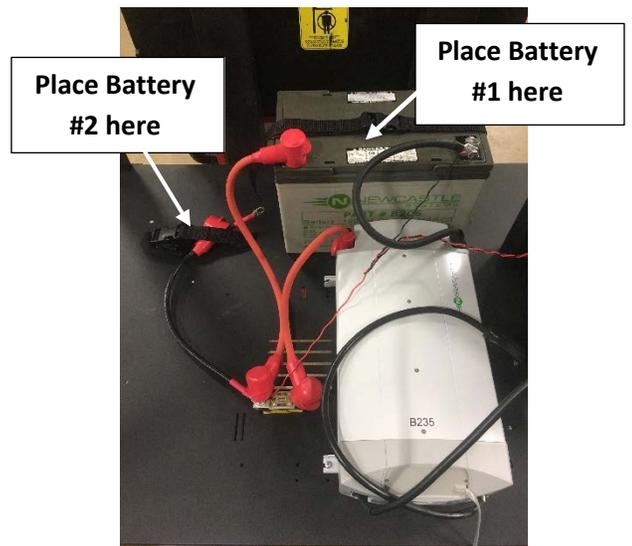
**Wire A (red)** connects to red positive (+) battery terminal of Battery #1.

**Wire B (red)** connects to red positive (+) battery terminal of Battery #2.

**Wire C (black)** connects to red negative (-) battery terminal of Battery #1.

**Wire D1/D2 (black)** connects negative (-) terminal of Battery #1 to negative (-) terminal of Battery #2. (This wire can be found in clear plastic bag along w/manual.)

**Wire E (black)** connects to black negative (-) terminal of Battery #2.



**2.** Carefully place batteries on base (as shown above) and securely tighten straps.

### Two Battery Setup Cont.



**3. Positive Connection, Battery 1:** Take bolt and place flat washer and large red wire (A) onto bolt (as shows above); insert bolt into positive (+) battery terminal.



**4.** Securely tighten terminal bolts on Battery #1 with a 10mm wrench.



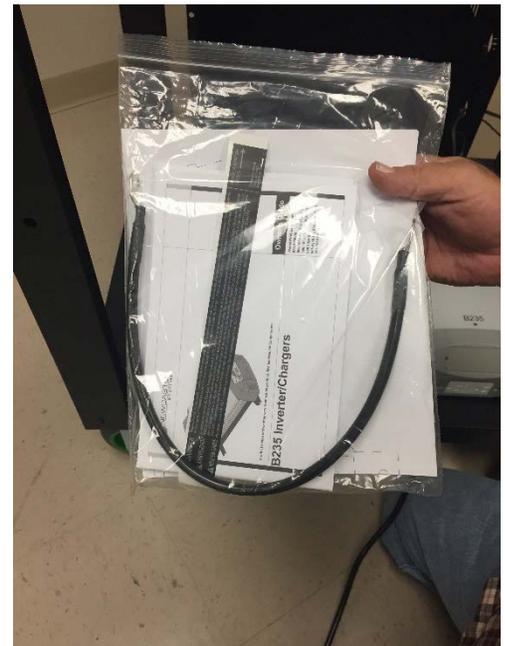
**5.** Pull rubber boot over tightened terminal.



**6. Negative Connection, Battery 1:** Take bolt and place flat washer, black connector wire (D1) and large black wire (C) onto bolt (as shown above); insert into negative (-) battery terminal.

Securely tighten terminal bolts with a 10mm wrench.

*Sparking is normal during initial connection.*



**\*\*D1 / D2 battery connector cable can be found in clear plastic bag w/manual\*\***

## Two Battery Setup Cont.



**7. Positive Connection, Battery 2:** Take bolt and place flat washer, large red wire (B) onto bolt (as shown above); insert bolt into positive (+) battery terminal.



**8.** Securely tighten terminal bolts on Battery #1 with a 10mm wrench and pull rubber boot over tightened terminal.



**9. Negative Connection, Battery 2:** Take bolt and place flat washer, small black wire (E), and black connector wire (D2) onto bolt (as shown above).

Securely tighten terminal bolt with a 10mm wrench.

*Sparking is normal during initial connection.*

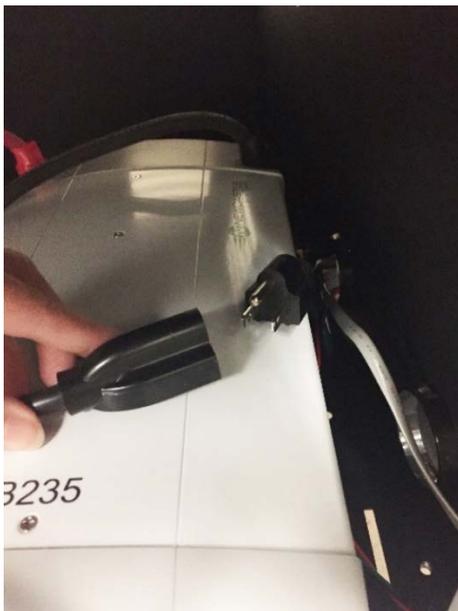


**2-Battery Configuration**  
Fully Connected



**1.** Make sure all fittings are tight and that the batteries are strapped down.

Carefully place the battery box cover on base.



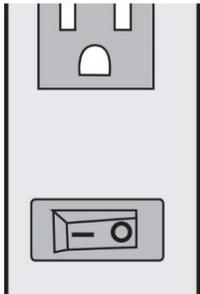
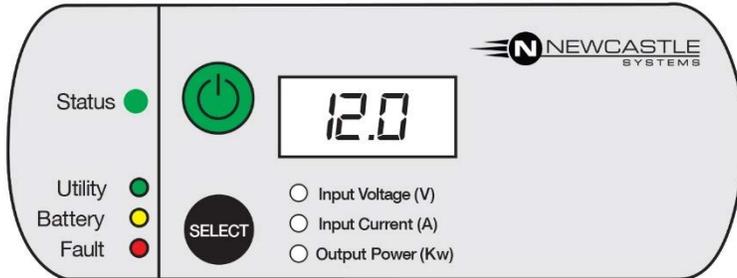
**2.** Plug the power strip into the inverter/charger.



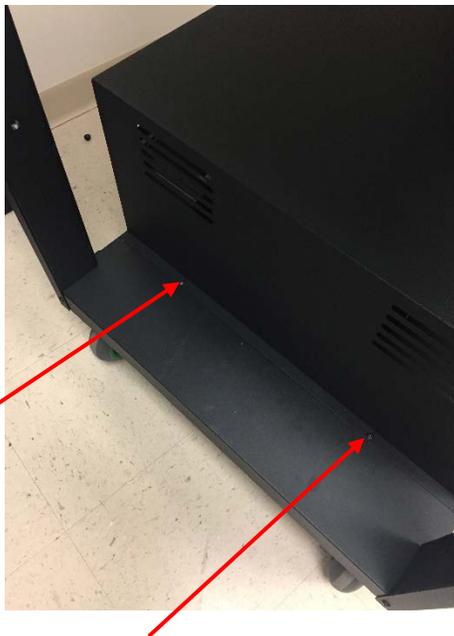
**3.** Run charger cord through cable opening and securely wrap around cord reel holder.

## Testing the Battery Function

1. Turn the unit on by pressing the green power button.



2. Turn the power strip on.  
The switch should light red.



3. Reapply the (4) screws to sides of the battery box with supplied Allen wrench.



4. Place the front battery panel as shown above.



5. Tighten (4) battery panel thumbscrews.

**Accessory assembly manual can be  
downloaded at:**

**[www.newcastlesys.com/accessory-assembly](http://www.newcastlesys.com/accessory-assembly)**