ASSEMBLY MANUAL



EC Series





EC SeriesAssembly Manual

Document Number: EC380_00_A

Revision Date: April, 2024

Release Date: April, 2024



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Newcastle Systems, Inc. 34 South Hunt Road Amesbury, MA 01913 USA (781) 935-3450 www.newcastlesys.com



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About This Manual

Symbols and Conventions

Symbols are used in this manual and on the product itself to ensure correct usage, to prevent danger to the user and others and to prevent property damage. The symbols are defined below. It is important that you read these descriptions and fully understand them.



Caution

This symbol indicates information that, if ignored, could result in personal injury or harm to the equipment due to incorrect handling.



Warning

This symbol indicates information that, if ignored, could result in death, serious physical injury or destruction of property due to incorrect handling.



Indicates important procedures

Note: Indicates important related information, reminders and recommendations

Italics Used for emphasis, for indicating the first occurrence of a new term and for book titles

- 1. Numbered list Used when the order of the items is important
 - Bulleted list Used when items are of equal importance, but the order is unimportant

Newcastle Systems Technical Support

You can reach Technical Support by telephone. Dial (781) 935-3450, then select 4 for technical support.

When requesting assistance, please be ready to provide the following information:

- Your name and telephone number
- Product model and serial number
- Brief description of the problem and list of symptoms
- Steps you have already taken to try to resolve the problem

If the Product is Damaged

If any portion of the unit is damaged, forward an immediate request to the delivering carrier to perform an inspection of the product and to prepare a damage report. Save the container and all packing materials until the contents are verified.

Also report the damage, along with the model and serial numbers, to Newcastle Systems Customer Service at (781) 935-3450 so that action can be initiated to either repair or replace the damaged items. Do not return any items to Newcastle Systems until you obtain instructions from Customer Service.

Upon receipt of this information, Newcastle Systems will provide service instructions, or a return authorization number and shipping information.

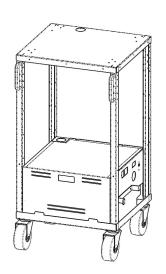


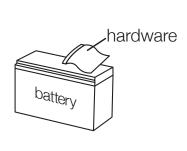
The EC Series

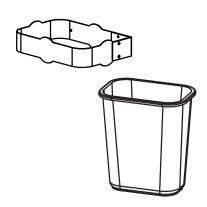
Standard Contents

Each cart will come with the following standard contents:

- Cart (assembled)
- · Battery and hardware
- · Trash can holder and green can







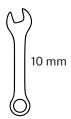
Optional Accessories

Any optional accessories that were ordered with the cart will either be installed on the cart or shipped separately in a box with the cart.

Note: Some accessories may be placed in the power cabinet for shipping purposes.

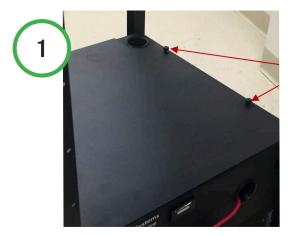
Tools Required

One 10 mm wrench

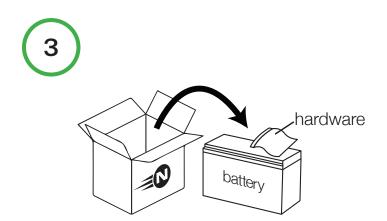




Setting up the EC Series



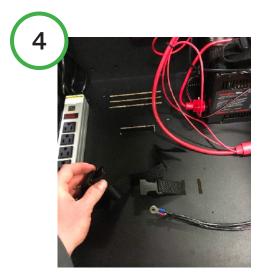
Open the power cabinet by loosening the (4) thumbscrews.



Remove battery & hardware (includes (2) bolts, (2) flat washers and (2) lock washers) from cardboard box.

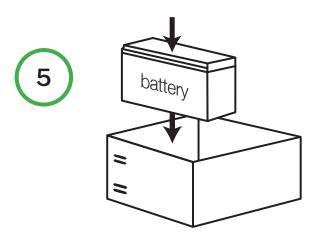


Next, remove the power cabinet cover.

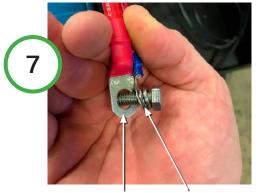


Unclip nylon battery strap & open to allow placement of battery



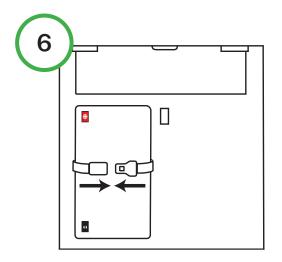


Carefully lift battery by its handles & place in cabinet

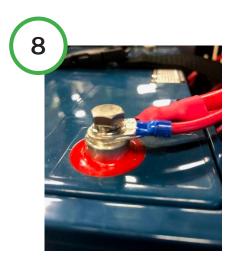


Red inverter wire - Red charger wire

Place lock washer, then flat washer, then red wires on bolt as show for red positive (+) battery connection



Clip nylon battery strap to secure battery

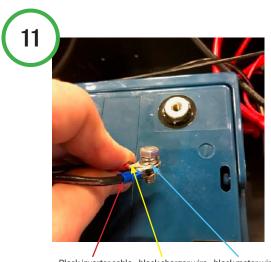


Insert bolt through red positive (+) battery terminal





Tighten with any 10 mm wrench



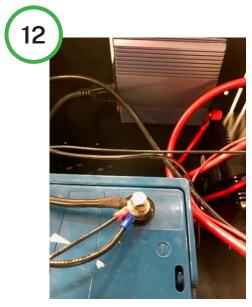
Black inverter cable - black charger wire - black meter wire



For black negative (-) battery connection, place lock washer, then flat washer, then wires on the battery bolt as shown

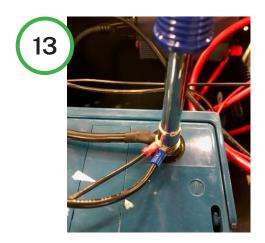


Pull red rubber boot over terminal

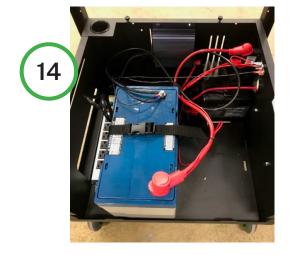


Insert bolt through black (-) battery terminal





Tighten with any 10 mm wrench



Make sure all fittings are tight and battery is strapped down in the cabinet. Test unit before placing battery cover on.



Turn on the (|) the red inverter switch on blue inverter inside the battery cabinet. Turn on (|) white circuit breaker switch on right exterior of cart



Turn powerstrip on. Light should turn red.

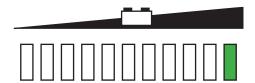


Place battery cover on and securely tighten thumb screws



Tips for Proper Cart Operation

- Charge your battery before using it to ensure it is fully charged. Simply plug the charger cord (located on the side of the unit) into a standard wall outlet.
- · Monitor the battery status meter on the cart.



Battery Light Meter Indicators

Voltage	11.2	11.4	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6
Light #	1	2	3	4	5	6	7	8	9	10
Color	Red Blinks	Red Blinks	Yellow	Yellow	Yellow	Green	Green	Green	Green	Green

- Batteries should not be discharged below 11.5 volts because this will shorten the life of the battery.
- Batteries **should not** be stored in a discharged state for more than 1 or 2 days. They should be charged as soon as possible after each use (otherwise it will void the warranty). If a battery is left in a discharged state for a period of time, it may no longer take a charge.
- Avoid exposing battery to heat, service life is shortened at ambient temperatures above 85F.
- When powering equipment on the cart, it's okay to have the charger plugged in if necessary. In this case, the AC power will pass through the charger and power your equipment directly.
- When the cart is not in use, the system charger can be plugged into a wall outlet to ensure the battery remains in its optimal state. Turn the unit to the OFF position.
- Be sure to charge your cart after every use. Simply plug the charger cord in to a wall outlet.
- Charging system is a trickle charger, so leaving it plugged in will NOT damage the battery.



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