



EVO

The Jaco Difference:
Simple. Solid. Smart.

All Jaco products are designed,
manufactured, assembled, and
supported in the United States.



Jaco is certified as a Women's
Business Enterprise by the Women's
Business Enterprise National Council.

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Series Part Numbers

EVO PC/LCD Mobile Carts

- *EVO-20-NP – No Battery Power System Included*
- *EVO-20-L250 – integrated 250Wh, LiFePO4 Battery*
- *EVO-20-L500 – integrated 500Wh, LiFePO4 Battery*
- *EVO-20-HS— Hot-Swap Ready, No Batteries Included*
- *EVO-20-HS-L408 – Hot Swappable (2) LiFePO4 Battery Packs*



EVO Laptop Mobile Carts

- *EVO-10-NP – No Battery Power System Included*
- *EVO-10-L250 – integrated 250Wh, LiFePO4 Battery*
- *EVO-10-L500 – integrated 500Wh, LiFePO4 Battery*
- *EVO-10-HS – Hot-Swap Ready, No Batteries Included*
- *EVO-10-HS-L408 – Hot Swappable (2) LiFePO4 Battery Packs*



Battery Charger - Only required for Hot-Swap Power Systems above
51-4218 – Dual Battery Fast Charger, table top or Wall Mount

Shown with two Hot-Swap LiFePO4 Battery Blades not included



Symbol Information

The following symbols are used within this Users Guide and / or on JACO products.

Symbol

Meaning



Indicates that Caution should be taken.



Indicates ATTENTION, consult the accompanying documents

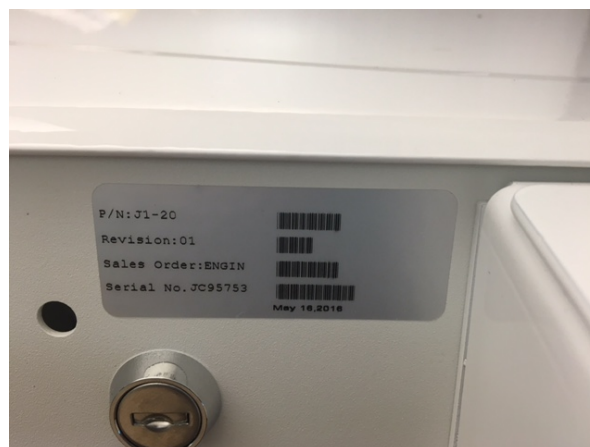


Indicates Maintenance

Product Labeling

All JACO EVO Series Mobile Carts

The JACO EVO Series Mobile Cart is shipped with a P/N & Serial Number label for tracking and service assistance. This label is located on the rear surface of the Top Assembly. The information on this label is needed when contacting JACO Technical Service.



General Specification



Work Surface Height:

32.5" to 46.5"

Keyboard Height:

25.5" to 41.5"

Work Surface:

20" x 18"

***Internal Laptop
or PC Storage:***

16" x 14" x 3"

Casters:

4" Single Wheel, Front Locking

Wheel Base:

16" x 13" x 16"

Cart Weight:

EVO-10-NP with no options = 52 lbs.
EVO-20-NP with no options = 56 lbs.

Battery Weight:

L250 Power – 12 lbs.
L500 Power – 17 lbs.
Hot Swap Power – 20 lbs. with 2 batteries

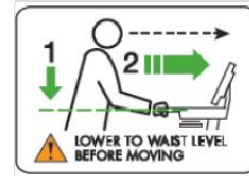
Note: Additional counter weight may be added based on total weight of added option including computer system and LCD/LED Monitor.



Safety Recommendations & Warnings



WARNING: As with any mobile cart, caution must be taken when pushing the cart through elevator doorways and over thresholds. It is recommended that you lower the work surface to waist high and position the cart so that only one-wheel contacts the threshold at a time. This will help keep the momentum of the cart moving forward and provide a safe transition.



WARNING: If your JACO Mobile Cart has a Drawer System option, limit weight per drawer to one-pound, close drawers when moving and do not transport at more than a 5-degree slope.



WARNING: Your JACO Battery System is designed to operate as a system. Use only JACO Provided components including replacement battery packs. Use of any non-approved Battery components may result in damage and un-safe conditions.



WARNING: It is unlikely that you will experience any electromagnetic interference when using your JACO Power System however if you notice any interruption or interference issues when using certain computers or peripherals, notify your IT department before contacting JACO Service department.



WARNING: The JACO Power System contains lithium battery cells and as with all batteries, have specific shipping restrictions that must be addressed. Please contact JACO Customer Service for assistance before shipping any JACO product. *It is the Shippers responsibility to follow all Federal & State regulations when shipping lithium batteries.*



WARNING: Do not open or dismantle the JACO Power System, note that there are no serviceable parts. This equipment must be serviced by trained personnel.

Additional JACO Power System important information:

- * Use the Power System for the application intended, to power a laptop or PC & LCD.
- * Unplug the Power System from AC power to clean or if it is not working properly.
- * Do not short-circuit the Power System
- * Do not expose the Power System to heat or fire and avoid storage in direct sunlight
- * Do not subject Power System to mechanical shock
- * In the event of battery leakage, do not allow the liquid to come in contact with the skin or eyes, if contact has been made, wash the affected area with water, seek medical advice.
- * Always keep Power System Battery Packs clean and dry.
- * Observe the plus (+) and minus (-) markings on the Power System.
- * For disposing or recycling Power Blades, all Federal & State regulations must be followed.
- * Refer to this manual for instructions, warnings and proper use.
- * If your Power System will not be used for several months or longer, it is recommended that you charge the batteries to full level and storing in a cool dry location.
- * Retain this Users Guide and all original literature for future reference.



NOTE: Material Safety Data Sheets (MSDS) are available as needed, contact JACO Support for more information.

Care, Maintenance & Warranty

All JACO products are designed and manufactured to provide many years of trouble free operation. We recommend that you keep the product clean for optimal operation.

Most of the surfaces of your JACO product are finished using a durable, antimicrobial powder coat finish. It is recommended that the surface areas that are in contact with day to day use be cleaned regularly. Always review the cleaning products that are being used and verify that it is safe to use on the powder coat finish. In general, a solution or wipe that is no more than 10% bleach, such as most germicidal wipes used in hospitals, will be acceptable but it is recommended that you consult with JACO Customer Service if you are not sure it is safe to use.



For the JACO Hot-Swap Battery Charger, there should be no reason to clean the inside bay area but if required, make sure the unit is unplugged and a damp (not saturated), less than 10% bleach wipe is used, allow ample drying time.



Your JACO Mobile Cart does not require any scheduled maintenance however it is good practice to clean the casters and check that the Cart height adjustment is operating correctly at least once a year. Please contact JACO Customer Service as needed for more information in maintaining your JACO Mobile Carts.



At JACO, we stand by our products with a warranty plan that has you covered should anything unexpected happen during the intended operation of the product. A copy of this limited warranty is shipped with each product and explains the details of our 10/7/3 year limited warranty coverage.



10-Year
Comfort Glide



7-Year
Structural



3-Year
Electrical

HAVE A QUESTION? WE'RE HERE TO HELP.

CALL US AT 1-800-649-2278 OR VISIT [JACOINC.COM/SUPPORT](https://www.jacoinc.com/support)

JACO INC. 140 CONSTITUTION BLVD, FRANKLIN MA, USA

Integration & Operation

Unpacking & Assembly:

Your JACO Mobile Cart is delivered on a pallet and unpacking is a two-person task, please plan accordingly. Use caution when removing any additional containers that may have shipped on top of the Mobile Cart pack. Once unpacked, there will be minimal assembly required depending on the Mobile Cart model and options you have ordered.



Adjusting the JACO EVO Cart Height Position:

Your JACO Mobile Cart is height adjustable for proper ergonomics when used in a standing or sitting position. To change the height, place the palms of your hands on the left and right sides of the work surface and on the left side, squeeze the release lever by pulling it upward. This will free the internal locking piston and will allow you to adjust the height of the Cart with minimum effort. Release the lever when the cart is in the desired position.



Installing your computer system:

The JACO EVO Series Mobile Cart will support most PCs, Thine Clients, Laptops and All-In-One

computer systems and up to a 24" LCD/LED Monitor. Not all computer systems and LCD/LED Monitors will fit, and some may fit but require too much power draw to operate with the optional LiFePO4 Battery System. Contact your local Sales Representative or call JACO Support to review any question you may have.

To install your PC or Laptop, unlock both key-locks at the rear of the top assembly as shown in the photo below. Once unlocked, the top work surface can be pulled forward and removed from the Cart.



Once the work surface is removed, the open bay area (shown on left below) is available for installing your computer or laptop. Route all cables needed for proper operation before installing the work surface and locking in place for security. Shown below is an example of a small PC properly installed with all cables routed neatly and organized. If using a laptop computer, simply open, place the laptop on the internal tray and allow the display to protrude through the opening in the work surface.



Additional tips for proper computer installation:

SFF and Thin Client: insert inside the top bay so that the on/off power button is facing the side

opening. This will allow easy access for rebooting of the computer if needed.

Laptop: Open the laptop, place inside the top bay. Neatly rout the AC brick and cables into the Top Bay with the power cord plugged into the internal power strip. Install the work surface so that the laptop display protrudes through the opening, lock the work surface in place for security.

All-In-One: The unit must have a 75mm or 100mm VESA pattern on the rear surface to mount to the J1-20 Mobile Cart. The hardware to mount the All-In-One is provided.

It is highly recommended that you use the Velcro adhesive patches included with all Mobile Carts inside the accessories kit to hold the PC, Thin Client, or Laptop in place inside the Mobile Cart top assembly.

Installing LCD/LED Monitor:



Our PC/LCD Mobile Carts ship with the LCD Stand in place but the optional LCD not attached. A Phillips Head or (if added security is needed for the LCD) Torx Head driver is needed to attach the LCD to the LCD Stand, 4 places. Both Phillips and Torx screws are provided. It is recommended that one person hold the LCD while a 2nd person inserts the hardware.



Make sure all 4 screws are installed and tightened properly. Check with JACO Support if the LCD/LED Monitor is more than 8 lbs. for proper counter weight calculation.



With the monitor and stand installed on the Cart, the LCD power and signal cables can be installed. Route both cables down through the cable management area of the stand as shown to the left. Pull the cables into the Top Assembly and attach to the PC or laptop computer that will be installed later.

Installing Keyboard & Mouse

When ordering your JACO Cart you have the option of including an integrated mouse and keyboard.

If you are adding your own mouse and keyboard, they can be integrated as follows. It is important that the wires are routed out of the way of the sliding keyboard tray. With each JACO Mobile Cart we include an accessory pack that provides ty-wraps and Velcro pads along with other helpful items for proper cable management. Use the Velcro pads to fasten the keyboard to the keyboard tray and use the ty-wraps to secure the cables. The Keyboard & Mouse cables need to rout through the access hole under the front top section of the Cart. Make sure you leave enough slack in the wires to allow the tray to pivot up and down as needed. The Mouse can be placed on the Mouse Tray by lifting the support wire up and slipping the mouse under.



Keyboard Light

All JACO EVO Carts are equipped with a Keyboard Light feature. For non-powered models the included USB cable must be connected to a USB port on the laptop or computer that is installed into the Cart. The on/off switch for this keyboard light will vary depending on other options ordered but, in all configurations, will be found on the front status assembly. This will be either a slide switch on the bottom or a button on the front surface that shows a light bulb icon.



Options

We offer many options for the JACO EVO Cart Series. Please contact your local Sales Representative if you have any questions on existing options or have equipment that you need integrated onto the

JACO One EVO Cart.

Scanner Mounts:

We offer mounting for most hand-held scanners, both tethered (wired) and wireless models.

Wire Basket Storage:

JACO offers several different size wire baskets for on-Cart storage. These options are available with in two sizes, 6" x 6" x 6" and 4" x 8" x 12".

Disinfecting Wipes Container Storage:

Disinfectant wipes are often used to keep hospital equipment clean (see page 6 of this manual for proper cleaning details). We offer holders for the industry standard 5" diameter containers.

JACO Patented Trac™ Wheel Steering:

The optional Trac-Wheel is designed to add true motion control to the JACO Mobile Cart. With 4 swivel casters, keeping the Mobile Cart moving in one direction may be challenging as the momentum of the Cart will want to continue in the direction of motion. The Trac-Wheel option will give you control over the direction of the Cart. We ship the Trac-Wheel mounted at the bottom center of the Cart with the wheel engaged. You may easily disengage the Trac-Wheel using a 5/16" Allen wrench as shown below.



Storage Cabinets, Drawers and Medication Bins:

Storage systems for the JACO EVO Mobile Cart series include Non-Locking, Push Button-Locking and Electronic-Locking drawers mounted on the left side of the Cart.

The cabinet option configurations are two 3" Drawers or three 3" Drawers. The drawers can be standard (no bins) or include two bins or a single wide bin to keep small items organized.

The e-Locking, Dual Cabinet with Wide Single Bin Drawers and the Triple Cabinet with Dual Bin Drawers are shown below.



The JACO EVO Storage System

More flexibility; less added bulk and weight. EVO's exclusive lightweight, slim-profile storage system lets you add virtually any combination of supply drawers and med storage bins to your carts. And the unique side-mounted design leaves plenty of room for adding other important accessories.

Standard drawers

7.75"w x 11.75"d x 3.2"h*



eLock/No Lock



Button Lock



Small Med Bins



Large Med Bins

Double-Drawer Cabinet

8.14"w x 13.25"d x 8.76"h



2 Standard Drawers



Drawers and Med



Med bins

Triple-Drawer Cabinet

8.14"w x 13.25"d x 8.76"h



3 Standard Drawers



Drawers and Med Bins



Med bins

Complete Flexibility

8.14"w x 13.25"d x 12.85"h



2-Drawer Combo



3-Drawer Combo



2-lock/2-bin



2-lock/1-bin

*Interior dimensions; 11"d with Button Lock



Electronic Locking Drawers – The JACO EVO Cart e-Locking Drawer include SmartTouch which is a smart interface that allows for Mobile Cart Fleet Management as well as a large graphic touch

interface that displays battery status, low battery warnings, keyboard light, WIFI indicator, access touch pad for drawer access, service request for Cart or computer issues and receives alerts and notifications from JACO Fleet Manager software.




If for some reason the electronic pass code system were to fail, there is a rescue key lock located at the back of the drawer system as shown below. Insert, turn and hold key in the unlocked position to allow the drawers to be opened when by-passing the electronic drawer lock system. The by-pass key is not the same key used to access the Top Assembly. The rescue keys are included in the Cart accessory kit which is placed inside the Mobile Cart Top Assembly housing.



Button-Lock Drawer – To open the Button-Lock Drawer, enter the default combination 1, 2, 3, 4 press OK, turn the knob to the right and hold the knob in this position while pulling the drawer

open. The Drawer will auto lock when closed.

To change the code first enter the default code above pressing the Enter button twice. Enter the new code and then press Enter. There are no limits to how many or how few numbers a code must be, but it is recommended that you use 3 or 4 digits for the code.

 Once the code is changed, the default code will no longer work so it is recommended that you control the new code numbers in a central database so that forgotten codes can be found. If you change the code and forget the new combination, the only way to open the drawer is to contact JACO Custom Service and present the individual serial number on the lock assembly so that we can send an override code. The serial number is located on the front edge of the lock as shown below.



HAVE A QUESTION? WE'RE HERE TO HELP.

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LFP Integrated Battery System

The JACO Integrated Battery Power Systems are designed specifically for the JACO Mobile

Carts and include two different power system options. The L250 is a one battery pack power system and the L500 integrates two battery packs for extended run time. Both options are Lithium Iron Phosphate, also known as LiFePO4 or LFP.

When ordered with the JACO One EVO Mobile Cart, the LiFePO4 Battery systems are shipped fully integrated but will need to be calibrated for proper power level status reporting, see the following pages for detailed instructions.

The JACO Power systems include two separate components, connected by a DC cable that runs through the Cart Post. This cable connects the LiFePO4 battery packs, located in the Cart Base, to the Inverter/Charger assembly which is located within the Cart Top Assembly.

Inverter/Charger assembly input & output connections are shown below. Make sure that you only use JACO approved cables and connections with the JACO Battery System

Left side view

1. AC Input
2. On/Off AC Outlet Switch
3. AC Outlet (2)



Right side view

4. Cooling Fan
5. E-Locking power
6. Power model selector
7. DC power (to battery)
8. USB (Firmware update)
9. LED display



The Cooling Fan (item #4 above) will power on whenever the unit is plugged in for recharge. The fan will run from a continuous, slow idle speed, to full speed, in order to minimize fan noise in response to rising internal temperatures. The fan will also power on whenever the On/Off AC Outlet Switch (item #2 above) is in the ON position regardless of recharging status.

Set-Up and Calibration

The JACO Battery System is shipped in “cut-off” mode to prevent power drain during shipping. Follow the steps below to activate the power system and calibrate the status LED

readout properly.

1. **Integrate your PC or Laptop** – After your Mobile Cart is unpacked and ready to go, you should take the time to properly install the computer system as shown on page 8 of this Users Guide. Route all cables neatly and use the ty-wraps and Velcro pads provided in the Cart Accessory kit.
2. **Turn on power to the AC Outlets** – Push the AC Switch shown as item 2 on page 13, to the ON position. This switch can be accessed by opening the left-side enclosure door, a screwdriver will be needed. The power switch is located on the left side of the inverter/charger assembly as shown below.
3. **Wake-up the Battery System** – Plug the recharge power cord that is hanging from the back of the Mobile Cart into any standard 120VAC wall outlet to activate the Battery Power System.
4. **Unplug the power cord** – This step is necessary as you need to let the battery system drain completely so that the status LED readout will be properly calibrated. Power up the computer and LCD or the laptop to help drain the battery system.
5. **Allow time to Calibrate** – The status gauge readout at the front top of the Mobile Cart needs to learn or calibrate as the power system charges from fully drained to fully charged. Once the batteries are fully drained, plug in the power system and leave the Mobile Cart plugged into the wall outlet until all 5 status LEDs are showing green indicating that the batteries are fully charged. This step could take up to 2.5 hours.

Specification

- **Model:** L250 or L500
- **Battery:** Lithium Iron Phosphate also known as LiFePO₄ and LFP
- **AC Input:** 100vac to 240vac
- **Input Current:** 3.5 amps

- **Frequency:** 47 to 63 Hz
- **Output Voltage:** 120VAC /60Hz standard
- **Output Current:** 1.5A @ 120VAC continuous
- **Output Power:** 180 watts continuous
- **Operating Temperature:** 32 to +95 Degrees Fahrenheit
- **Non-Operating Temperature:** 0 to 120 Degrees Fahrenheit
- **Electronics (Inverter/Charger Unit) Dimensions:** 10.6" (L) x 9.65" (W) x 2.2" (H)



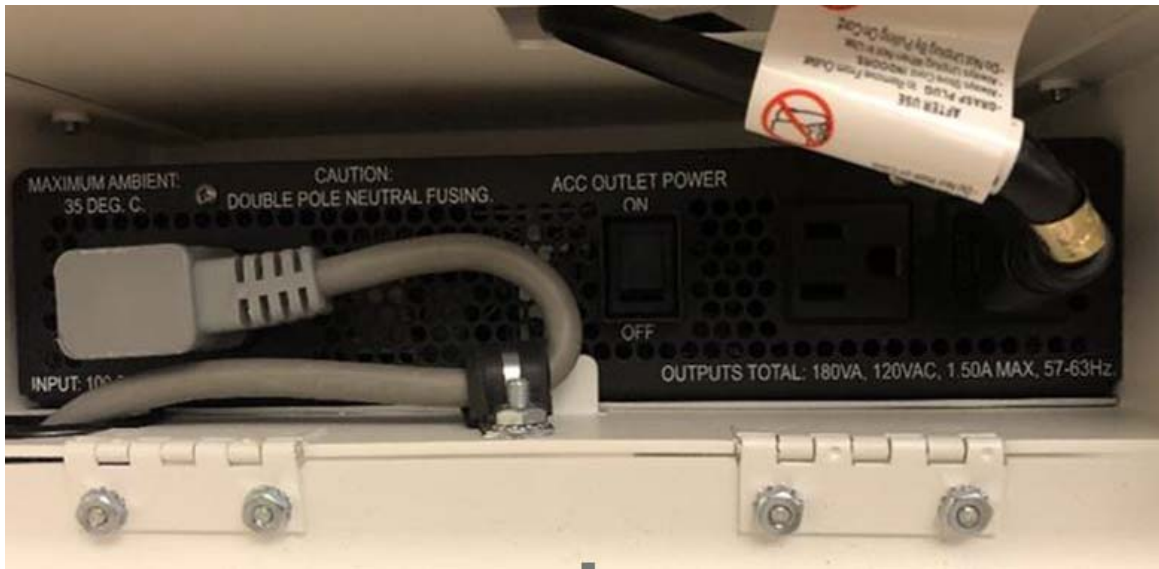
Agency Certification

The JACO Integrated LiFePO4 Battery Power System, Inverter/Charger Assembly has been tested and approved to the following agency certifications - IEC 60601-1/A2: 1995 & IEC60950-1:2005

Basic Troubleshooting

Power system is not providing power to the LCD and PC.

1 - Check to make sure that the PC and LCD are plugged into the AC power outlet on the JACO Power Inverter. You may be using a short tri-plug cable that is provided. Also, make sure that the Outlet Power Switch is in the ON position as shown below. This switch is identified as item #2 on page 15, also shown below. To access this switch, open the left side door of the Inverter/Charger Enclosure as shown below.



2 – If you still do not have power to your PC and LCD, disconnect the PC from the JACO Power Inverter and plug directly into a known good AC wall outlet. This will help determine if the issue is with the JACO Power Inverter or the PC power adaptor itself.

3 – If the PC powers up normally when plugged into a wall outlet, disconnect and plug back into the JACO Power Inverter. If not, you may have an issue with the PC power adaptor. Contact the PC manufacturer for a replacement.

4 – Plug the JACO Mobile Cart power cord into a known good AC wall outlet.

- Does the front status LEDs panel turn on?
- Does the JACO Power Inverter fan turn on?
- Does the PC and LCD power on?

If yes to all above, no need to continue. If the issue is not resolved, go to next step to reset the JACO Power Inverter.

5 – JACO Power Inverter Reset steps.

- Unplug the JACO Cart power cord from the wall outlet.
- Using a Phillips head screwdriver, open the Right-Side Bay as shown below to access

the Power System Inverter/Charger. Disconnect the DC Cable shown below and identified as item 7 on page 15. Wait one minute before reconnecting making sure the connector snaps into position.

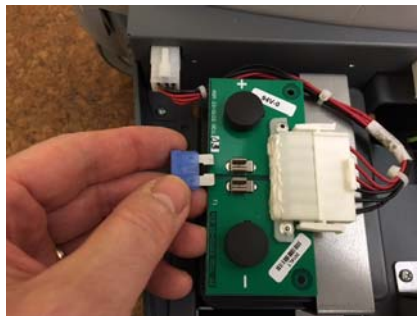


- Plug the JACO Mobile Cart power cord into a known good AC wall outlet.
 - Does the front status LEDs panel turn on?
 - Does the JACO Power Inverter fan turn on?
 - Does the PC and LCD power on?

If yes to all above, no need to continue. If not, go to next step.

6 – Check the battery fuse located on each battery pack as shown below.

- Remove the battery bay rear covers, 2 Philips head screw per cover, and slide the Lithium Iron Phosphate battery out of the holder enough to allow access to the fuse as shown below.



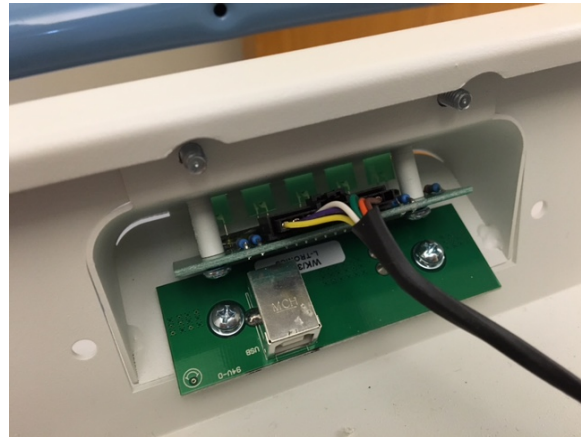
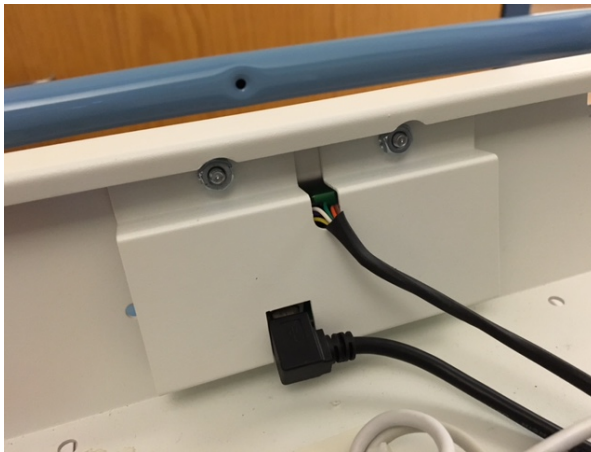
Remove the fuse and review for possible break. You will be able to see if the internal connection is still in place or if it has disconnected. If you have a dual battery system, check both fuses.

If the connection inside the fuse is not broken, the issue is with the JACO Power Inverter assembly and you will need to contact JACO Customer Support to address replacement. Please see page 3 for locating the correct information that will be needed to start the replacement process.

If one or both fuses show a break, they will need to be replaced. Contact JACO Customer Support for details.

Power system is providing power to the LCD and PC, but I do not have any front status LED indication showing.

1 – Check the Status LED Cable making sure that it is connected properly. You will need to remove the protective cover inside the Cart top assembly. First remove the Cart work surface and then, using an 11/32” nut driver, remove the protective cover shown below.



If not seated correctly, position and reconnect. If the front status is still not working, check the other end of the cable connection. Follow the cable from the front status enclosure and

make sure that it is seated properly. Disconnect and reconnect if needed.

If you now see front status LED readout, the issue has been resolved, if not, please continue to next step.

2 – If you have a known good JACO Mobile Cart, use the status cable from this Cart and exchange for the cable in the Cart that does not show front status LEDs.

3 – If this fixes the issue, contact JACO Support for a replacement cable, if not, continue to next step.

4 – Using the same known good JACO Mobile Cart, use the front status enclosure from this Cart to check the Cart that is not showing front status readout. You can remove the status enclosure by removing the top work surface and using an 11/32" nut driver and then push the front status enclosure inward until it is free of the top assembly. Some JACO Cart models may require a Phillips screwdriver for removing this status enclosure. If the replacement status enclosure works on both Carts, contact JACO Support to process a replacement front status enclosure. If not, return the status enclosure to the original Cart and proceed to the next step.

5 – Reset the Inverter as explained in step 5 on page 19. If the front status LEDs are not working after following the steps above, contact JACO Support for further assistance and replacement details.

LFP Hot-Swap Battery System

System Review & Set-up

To insert one or two JACO Power Blade Battery Packs into the Cart Controller, simply insert into the Cart Controller top and bottom guides for alignment and push inward. As you push the Battery Pack into position, make sure it is fully engaged into the connection. To remove, grab the handle and pull the Power Blade Battery Pack out.

Note that when two Power Blade Battery Packs are installed in the Controller, one rear facing status LED will blink every 6 seconds. This is normal and used as an indicator as to which Power Blade Battery Pack is providing power. If two charged Power Blade Battery Packs are installed, power will switch instantly from one to the other when one Power Blade Battery Pack is removed.



LED Charge Capacity Status:

Each Battery port has two LED indicators that show approximately how much battery charge is remaining. The LED indicators are located at the front and rear of the Cart. This simple LED readout reports approximate battery charge as follows...

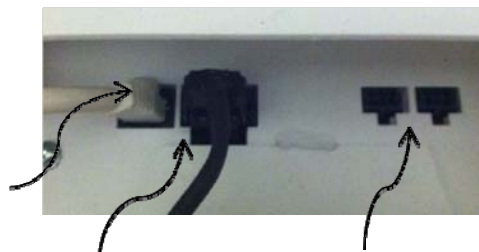
- * 100% to 21% Charge on Battery Pack - Solid **Green** LED
- * 20% to 11% Charge on Battery Pack - Solid **Amber** LED
- * 10% to 1% Charge on Battery Pack - Blinking **RED** LED
- * No Charge Remaining - Solid **RED** LED

NOTE: If both Power Blade Battery Packs show **RED** (fully drained), the Cart will "beep" as a warning. This will continue for several minutes. Replace at least one with a charged Power Blade Battery Pack within this warning period to prevent the on-board computer & monitor from shutting down.

Input/output Connections, use only for stated connection:

NOTE: Controller board as viewed from inside Cart Top Assembly, rear section

Cat5 Cable to front Status Panel

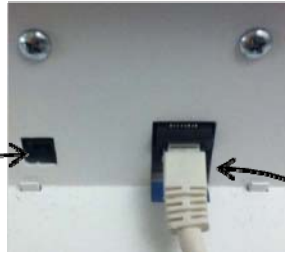


Power Inverter

Optional for Electronic Locking
Drawer System

NOTE: Front Status Panel as viewed
from inside Cart Top Assembly, front
section

Optional connection for
work surface light (not
available)



Cat5 Cable from
Controller Board

Estimated run-time per Power Blade Battery Pack:

The JACO Hot-Swap Power Blade Battery Packs are designed to be a safe and reliable solution for health care applications. As with any battery system, the amount of time that the battery will power the equipment is dependent on the device (PC, Laptop, LCD Monitor...) power demand. To help reduce power demand and increase the Power Blade Battery Pack runtime, we suggest that you set the monitor to enter sleep mode after 5 minutes of idle time.

The following are estimated runtimes per Blade Battery Pack, your results may vary.

Watts	Hours	Minutes
40	3	40
45	3	25
50	3	5
55	2	45
60	2	35
65	2	12
70	2	0
75	1	55
80	1	51
90	1	42
100	1	30

NOTE: Listed are the
estimated runtimes for a
single JACO Power Blade
Battery Pack.

LFP Hot Swap Charger

The Power Blade Charger can be placed on a tabletop or installed on the wall for convenient point of use access. With either installation, the Power Blade Charger **MUST** be positioned vertically, with the Power Blade Battery Packs entering from the top and will not function if positioned in any other direction. For complete details and instructions, please reference the Power Blade Charger Users Guide that is shipped with each unit. This manual is also available on request.



Agency Certification

51-4218, Power Blade Charger

Safety - IEC 60601, 3rd Edition (60601-1:2005 A1:2012)

IEC 60601-1

EN/ISO 14971

EMI / EMC (60601-1:2005 A1:2012)

IEC 60601-1-2

Means of isolation provided by
on-board power supply.

51-3829, Power Blade Battery Pack Assembly

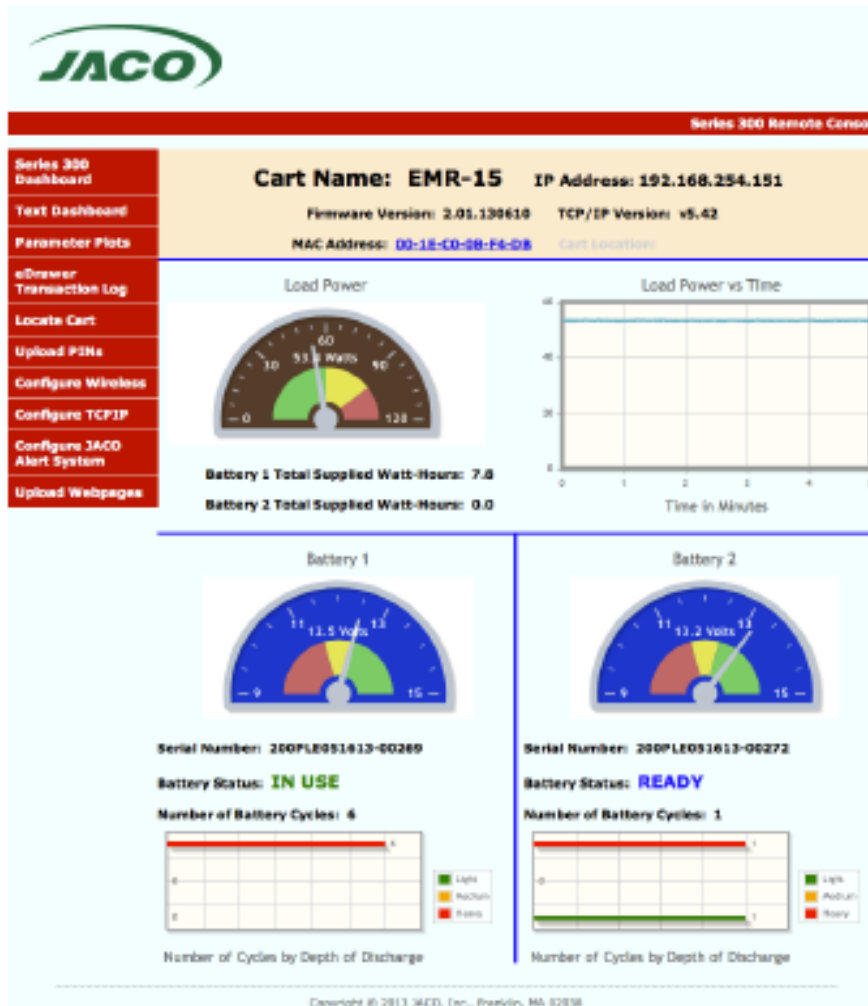
IATA - UNDOT 38.3 International Air Transport Association

IEC 62133 - Safety Requirement for Cells Containing Alkaline Electrolytes

UL 2054 - UL Certification for Primary and Secondary Batteries

Monitoring Software

The JACO One EVO Hot-Swap Power Blade status, parameters information is accessible via the Cart's built-in HTML web server. Web pages are viewed via standard internet browsers on a PC, tablet or Smartphone and the Cart is built to standalone so no software needs to be installed on the Cart's computer eliminating "software clash" and possible security issues.



For complete details on how to set-up, access and use the Power Monitoring & Control wireless reporting features reference our technical guide, *JACO Hot-Swap Power Monitoring & Control* which is available through your JACO contact.

Basic Troubleshooting

Hot Swap Cart has no power, however Cart battery status LEDs in both the front and back of the cart are working.

- Check the inverter for the green light next to the AC outlet on the inverter.
- Check all cable connections to and from the Inverter, ensure they are secure.
- Remove the batteries from the Cart Carrier, replace with 2 fully charged batteries.
- If there is power, the previous batteries need to be charged.

- If there is still no power to the computer & LCD, contact JACO for replacement authorization or additional troubleshooting direction.

The computer/LCD or laptop is integrated and working without issue however the Mobile Cart battery status LEDs are not working in both the front AND back of cart.

- Remove and reinstall the same Power Blade Battery Packs that are currently in the Cart, if the LED's still do not light, replace the batteries with 2 fully charged batteries.
- If the status LED's, are still not showing, you will need to reset the controller unit.

To reset, insert a paper clip into the reset port at the back of the Cart as shown. Once paper clip is inserted and the internal button depressed, the unit will beep signifying a system reset. Remove the paper clip and watch for the status LED's to function.



- If the status LEDs are still not functioning, contact JACO for replacement authorization or additional troubleshooting direction.

The Mobile Cart front battery status LEDs are not working however the rear status LEDs are working correctly.

- Remove and reinstall the same Power Blade Battery Packs that are currently in the Cart, if the LED's still do not light, replace the batteries with 2 fully charged batteries.
- If the front LEDs are still not functioning, check that the input/output cable connection, as shown in Section 6 of this guide, are connected correctly and seated properly.
- If the front status LEDs are still not functioning, contact JACO for replacement authorization or additional troubleshooting direction.



LFP Battery Power System Maintenance

There are **NO** serviceable parts within the JACO Power System. Should the Power System fail, review the Troubleshooting section of this User Guide and if applicable, follow the steps provided. Please contact JACO Customer Support as needed to resolve the issue.

HAVE A QUESTION? WE'RE HERE TO HELP.

CALL US AT 1-800-649-2278 OR VISIT [JACOINC.COM/SUPPORT](https://jacoinc.com/support)

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