BUILT WITH THE BEAUTY OF METAL

Jaco One™

The one cart built for now,
and for whatever comes next

25-0193 Rev 01

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JACO One Series, Model & Part Numbers

J1-10, Laptop Mobile Cart

J1-20, PC/LCD Mobile Cart

J1-10-HS, Hot Swap Power Laptop Mobile Cart

J1-20-HS, Hot Swap Power PC/LCD Mobile Cart

Symbol Information

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

Symbol	Meaning
	This symbol indicates that Caution should be taken.
	This symbol indicates ATTENTION, consult the accompanying documents

Product Labeling

All JACO One Series Mobile Carts

The JACO One 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

*JACO One **Mobile Cart***

Work Surface Height:	33" to 46.5"
Keyboard Height:	28" to 41.5"
Work Surface:	20" x 18"
Internal Laptop or PC Storage:	16" x 14" x 3"
Casters:	5” Single Wheel, Front Locking
Wheel Base:	16" x 13" x16"
Cart Weight: (with Power systems noted, no other options included)	J1-20-NP = 82 lbs J1-20 = 97 lbs w/L250, 104 lbs w/L500 Power J1-20-HS = 101 lbs w/2 Hot Swap Batteries J1-10-NP = 78 lbs J1-10 = 93 lbs w/L250, 100 lbs w/L500 Power J1-10-HS = 97 lbs w/2 Hot Swap Batteries **NOTE**: Additional counter weight may be added based on Cart configuration & options
Battery Weight:	L250 LiFePO4 Power System – 27 lbs L500 LiFePO4 Power System – 34 lbs Hot Swap Power System – 15 lbs (includes two 5 lb battery packs)

Safety Recommendations and 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 2 lbs max, 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.
* Always 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.

Proper Operation, Care & Maintenance

JACO products are designed and manufactured to provide years of operation. Take care to use the product as intended and keep clean for best overall performance.

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.

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.
There should be no reason to clean the inside bay area but if required, make sure the Power Blade Charger unit is unplugged and a damp (not saturated), less than 10% bleach wipe is used, allow ample drying time.

HAVE A QUESTION? WE'RE HERE TO HELP.

CALL US AT 1-800-649-2278 OR VISIT 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. Due to the shipping container, the optional LCD (J1-20 Cart Models) and several of the optional Scanner Mounts are not able to be attached at our factory. Instructions for assembly are below.

Changing the Height Position & Lift Resistance:

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 right side, squeeze the release lever by pulling it upward. This will free the internal locking piston and will allow you to pull the Cart top up or push it down and offers a total of 13.5” of travel. Release the lever when the cart is in the desired position.

Use caution when adjusting the lift pressure as shown and explained below. Make sure the Cart is set so that the middle post bars are parallel to the floor and once the adjustment is done, REMOVE THE ALLEN WRENCH before adjusting the Cart height.

You may also need to adjust the lift resistance. If the force needed to adjust the height of the Cart is too much or not enough, you may fine tune this setting by inserting a 5/16” Allen wrench into the opening on the left side of the Carts Upper Post. First position the height of the Cart so that the middle bars are level to the floor then make sure the wrench is pushed into the Allen head adjustment screw. Rotating clockwise will decrease the internal force, counter clockwise will increase this force. This is for fine tuning only, consult with your local Sales Representative with questions.

Installing your computer system:

The JACO One Series Mobile Cart will support most PCs, Thin Clients, Laptops and All-In-One computer/LCD systems however not all systems will fit and some may fit but will require too much power to operate using our optional battery power system. Contact JACO Support if you have questions.

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 on/off of the unit when 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 Monitor:

Your J1-20 Mobile Cart ships with the LCD Stand in place but the LCD is not attached. A Phillips Head or (if added security is needed for the LCD) Torx Head driver is needed to attached 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.

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 and 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 most 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.

Keyboard Light:

The front touch pad numbers are used if an optional locking Drawer system is included but with or without a drawer system, the front keyboard light can be turned on and off through this touch pad. Make sure that the included USB cable inside the Cart Top assembly is connected to the laptop or PC, this provides power for the keyboard light.

Press the light bulb icon button located on the far right of the touch pad and the keyboard light will turn on. Press again and the light will go off. There is a time-out so after approximately 20 minutes the light will automatically turn off. The light can be turned back on immediately if needed.

Popular Options:

We offer many options for the JACO One Cart including the following items. 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 Cart, we will be happy to review.

Scanner Mounts:

We offer mounting for most hand-held scanners, both tethered and wireless models. Option shown is 51-3648, Mount, Scanner Honeywell 1900 Series for mounting off the Top work surface. Other models available.

Wire Basket Storage:

JACO offers several different size wire baskets for on-Cart storage. These options are available with or without the added storage drawer options. Shown below are 51-4398, Wire Basket 6”x 6”x 6”, Left Side Mount and 51-4507, Wire Basket 4”x 8”x 12”, Left Side Off Drawer Option. Other options are available.

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. Shown below are 51-4508, Wipes Holder Left or Right Side off Storage Drawer Option and 51-4416, Wipes Holder, Right Side Mount.

JACO Patented Trac™ Wheel Steering:

The optional Trac Wheel is designed to add true steering 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 option can be engaged by stepping down on the green post at the bottom front of the Cart. This activates a traction wheel that will give you control over the direction of the Cart. To disengage Trac, step down on the black post.

Storage Cabinets, Drawers and Medication Bins

Storage systems for the JACO One Mobile Cart series include Non-Locking, Push Button-Locking and Touch-Pad Electronic-Locking drawers that are available in single 3” high, single 7” high, dual 3” high and triple 3” high drawers as well as different size medication bins and drawer dividers as shown below.

Single-Drawer Cabinet

13.2”w x 13”d x 4.3”h

3” drawer

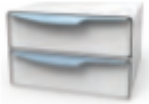
3 3.5”w Med Bins

7.2”w & 3.5”w Med Bins

Optional transparent Med Bin lids secure contents while providing easy access and visibility.

Double-Drawer Cabinet

13.2”w x 13”d x 8.5”h



2 3” drawers

Med Bins

Drawer & Med Bins

7” drawer

Triple-Drawer Cabinet

13.2”w x 13”d x 12.75”h

3 3” drawers

Med Bins

Drawers & Med Bins

Drawer Divider Kit

Divide Drawers into 2-9 Compartments

3 Compartments

6 Compartments

9 Compartments

Locking System

Push-Button Lock:
Simple, effective mechanical security for drawers

Touch-Pad Lock:
4-digit electronic lock for drawers or med bins – includes on-board keypad

Default combination and instruction to open the optional Push Button Drawer – First turn the knob to the left to clear the lock then press #2 and #4 buttons at the same time then press the #3 button. Next turn the knob to the right and holding the knob in this position, pull the drawer open. The combination can be changed, follow the instruction sheet provided with the Cart.

Default combination and instruction to open the Touch Pad e-locking Drawer – Use the default combination 4, 1, 2, 3, then press the Unlock Button, pull the drawer open. This combination can be changed as needed and offers up to 64 unique 4-digit access codes. To change the pass code, press the numbers 3, 1, 2 then the unlock button, you will hear a "beep" indicating that a new 4-digit code can be entered. If you enter an unacceptable code, such as 1, 1, 1, 1, you will hear a "buzz" noise indicating the code is not changed. When entering an acceptable new code, you will hear two short "beeps" indicating that the code is now changed.

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.

Rescue key access on back of drawer/cabinet assembly

NOTE: *See page 5 of this manual for important safety information regarding the drawer option.*

Integrated LFP Battery System

The JACO Battery Power Systems are designed specifically for the JACO Mobile Carts and include two different power system options. The JPS250 is a one battery pack power system and the JPS500 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 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 rear facing electronics enclosure as shown below.

Inverter/Charger assembly input & output connections are show below. Make sure that you only use JACO approved devices 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.

Integrated LFP Set-up:

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 (details on page 8).

   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 14, to the ON position. This switch can be accessed by opening the rear enclosure door, a blade 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. If possible, 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, as shown below, needs to learn or calibrate as the power system charges from fully drained to fully charged. 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 4 hours but it is best to allow the charge to continue over night when possible.

Integrated LFP Specification:

- **Model:** JPS250 or JPS500
- **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 Box (Inverter/Charger Unit) Dimensions:** 10.6" (L) x 9.65" (W) x 2.2" (H)

Integrated LFP Agency Certification:

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

Integrated LFP CartCare Monitoring Software:

When either battery power system is ordered with your JACO One Series Mobile Cart, you will also receive a copy of our JACO CartCare Suite Software. The CartCare software will help users and IT with power system management. The software displays the battery charge status as well as battery alerts onto the Mobile Cart LCD or Laptop display to help remind users of the battery power's status, and encourages users to plug the Mobile Cart into wall AC power to charge when the batteries are running low. Below is a brief review of the three main software packages that aid the users in managing the Cart's power demand.

JACO CartCare Services: The Services software acts as hub that resides on the Cart's computer and communicates with the power system, CartCare Client, and Fleet Manager.

JACO CartCare Client: The CartCare Client software resides on the Cart's computer that receives power system data from the CartCare Services for onscreen display.

JACO Fleet Manager: The Fleet Manager software is usually installed on a server. It displays all carts and their status within the facility.

The current software release can be obtained from our website at
http://www.jacoinc.com/support/downloads

Additional information and instructions are included with the download above, contact JACO Customer Support if you have any issues or questions.

Integrated LFP Troubleshooting:

No Power Condition – "My 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.

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.
- Remove the Base Shroud to expose the Lithium Iron Phosphate battery packs. Depending on the model of JACO Mobile Cart that you have, you will need either a blade screwdriver or a Phillips screwdriver. To remove the Shroud, turn the hardware ¼ turn counterclockwise until the fastener snaps out.
- Unplug the batteries from the connector board as shown below. Depending on the battery system that was ordered, you may only have one battery. Wait for about one full minute before reconnecting.

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

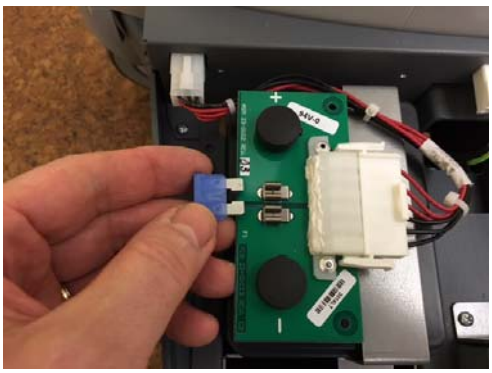
  - Does the front status LEDs panel turn on?

  - 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.



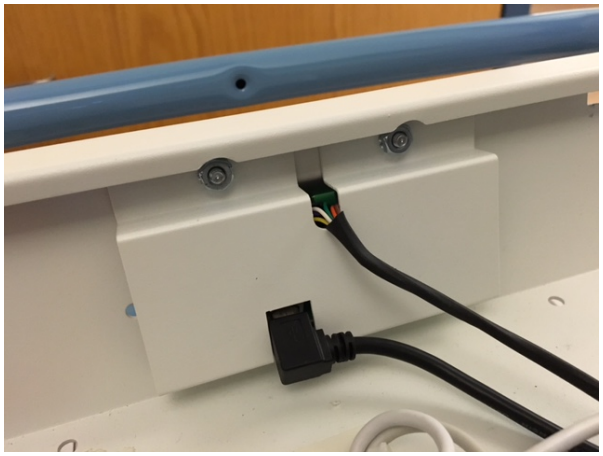
Remove the fuse and review for possible break. You will be able to see if the internal connection is still in place or if it has disconnected. If you have a dual battery system, check both fuses.

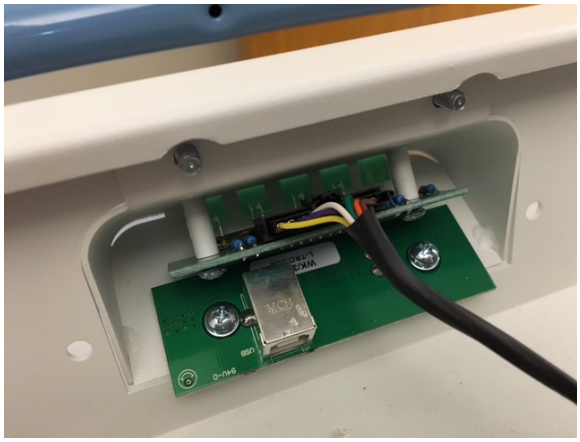
If the connection inside the fuse is not broken, the issue is with the JACO Power Inverter assembly and you will need to contact JACO Customer Support to address replacement. Please see page 3 for locating the correct information that will be needed to start the replacement process.

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

No Front Status LED Condition – "My 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.

Hot-Swap LFP Battery System

To insert the Power Blade Battery Pack into the Cart Controller, simply hold by the integrated handle and insert into the Cart Controller using the side guides for alignment. As you push the Power Blade Battery Pack into position, make sure to push down to engage the connector. To remove, grab the handle and pull the Power Blade Battery Pack up and out.

Note that when two Power Blade Battery Packs are installed in the Controller, you will notice that 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:

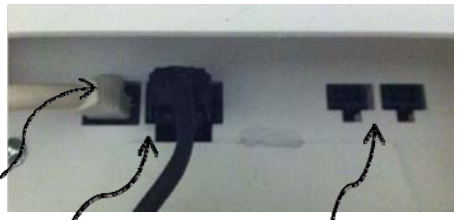
The Power Blade Battery Pack ports on the Mobile Cart are labeled as Battery 1 and Battery 2. Each port has two LED indicators that show approximately how much battery charge is remaining. The LED indicators are located at the front and rear of the Cart. This simple LED readout reports approximate battery 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



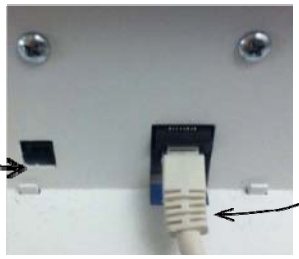
Cat5 Cable to front Status Panel

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 J1-HS 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 JACO Power 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.

Hot-Swap LFP 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.

Hot-Swap LFP 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

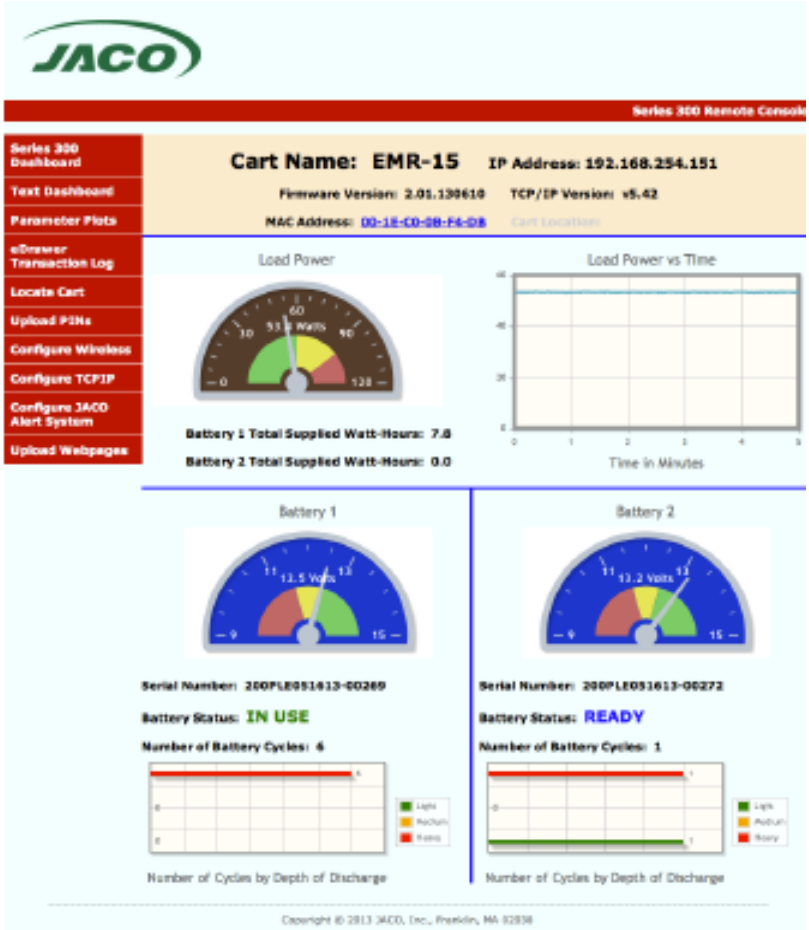
IATA - UNDOT 38.3 International Air Transport Association

IEC 62133 - Safety Requirement for Cells Containing Alkaline Electrolytes

UL 2054 - UL Certification for Primary and Secondary Batteries

Hot-Swap LFP Monitoring Software:

The JACO One, Hot-Swap Power Blade status, parameters and configuration files are fully 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.

Hot-Swap LFP Troubleshooting:

1) *My 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.

2) *The computer and 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.

3) *The Mobile Cart front battery status LEDs are not working however the back 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.

Integrated & Hot-Swap 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

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