Enovate Medication Cart

MANUAL

For Laptop compatibility please check with your local
Enovate Representative or call us toll-free (877) 258-8030

enovate™

The Enovate Medication Cart was designed to set a new standard in quality. Enovate's goal is to provide a cart that is built right, ready for years of use, and backed by a commitment of exemplary service and support.

Thank you for purchasing the Enovate Medication Cart

For laptop compatibility please check with your local
Enovate Representative or call us toll-free (877) 890-6131

IMPORTANT WARNINGS:

GROUNDING
Connect the Enovate Medication Cart to an equivalent receptacle marked "Hospital Only" or "Hospital Grade" to ensure ground.

SERVICE AND REPLACEMENT
Do not attempt to service or replace any part of the Enovate Medication Cart unless directed to do so through Enovate approved documentation (i.e., this User Manual or other instructions). Only Enovate or an Enovate-certified entity may service or replace the cart components. If any component on the cart is missing or damaged, the cart must not be used. Contact Enovate immediately to request service.

DANGEROUS VOLTAGE
Do not remove battery drawer—there may be live parts inside, even when the Enovate Medication Cart is turned off.

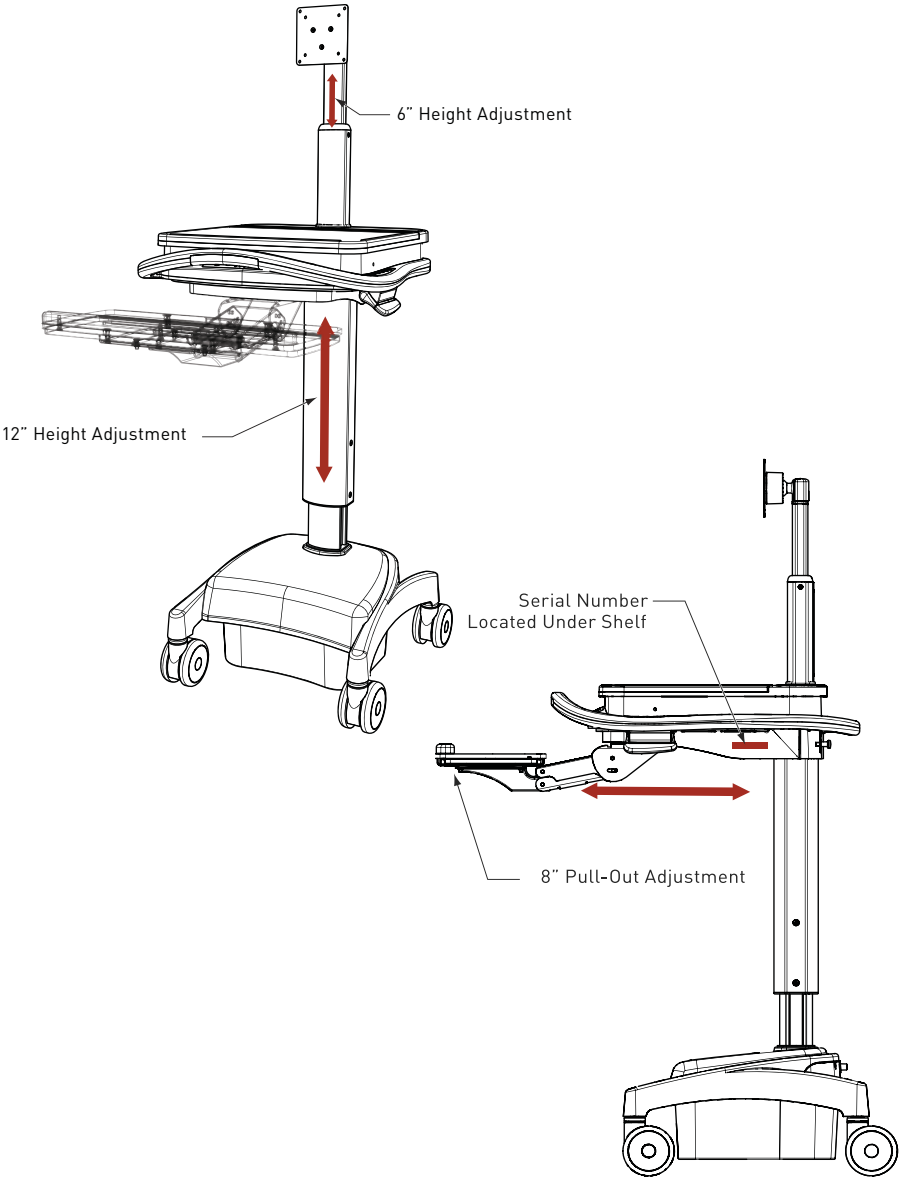
DO NOT OPEN THE POWER SYSTEM. Unauthorized personnel opening the power system may cause injury and/or death. If the unit is not working properly, please contact Enovate.

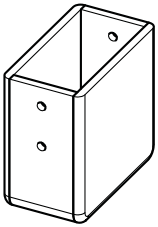
DO NOT USE THE UNIT IN OR NEAR WATER OR OTHER LIQUIDS.
If the unit becomes wet, unplug it immediately, wipe away any excess liquid and allow it to dry before use. Failure to do so can result in injury and/or death.

For laptop compatibility please check with your local Enovate Representative or call us toll-free (877) 890-6131 Unauthorized personnel opening the battery may cause injury and/or death. If the unit is not working properly, please contact Enovate Customer Service at:

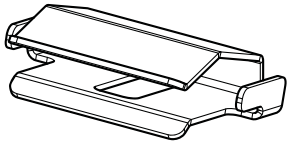
evovateusa.com/support
877.258.8030 toll free

Cart Features

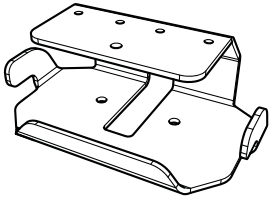




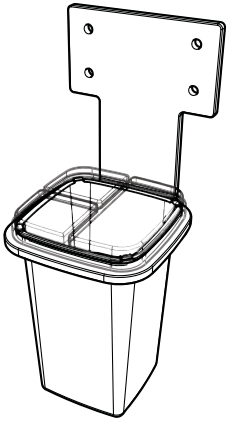
PURELL® Holder



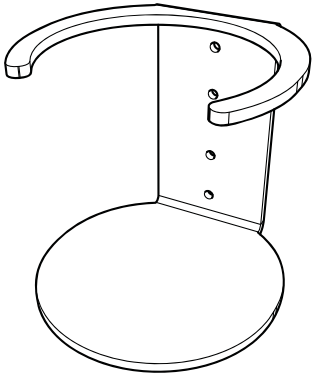
Clam Shell
Mouse Holder



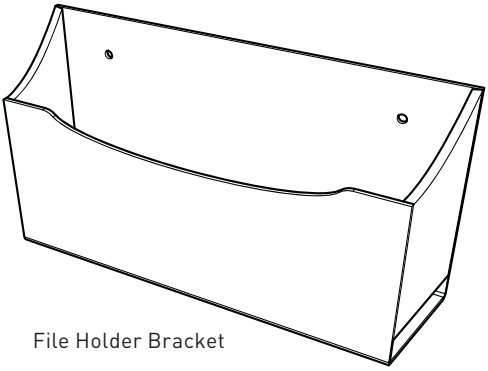
Side Mount
Mouse Holder



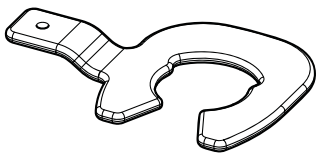
Sharps Container Bracket



Wipes Bracket



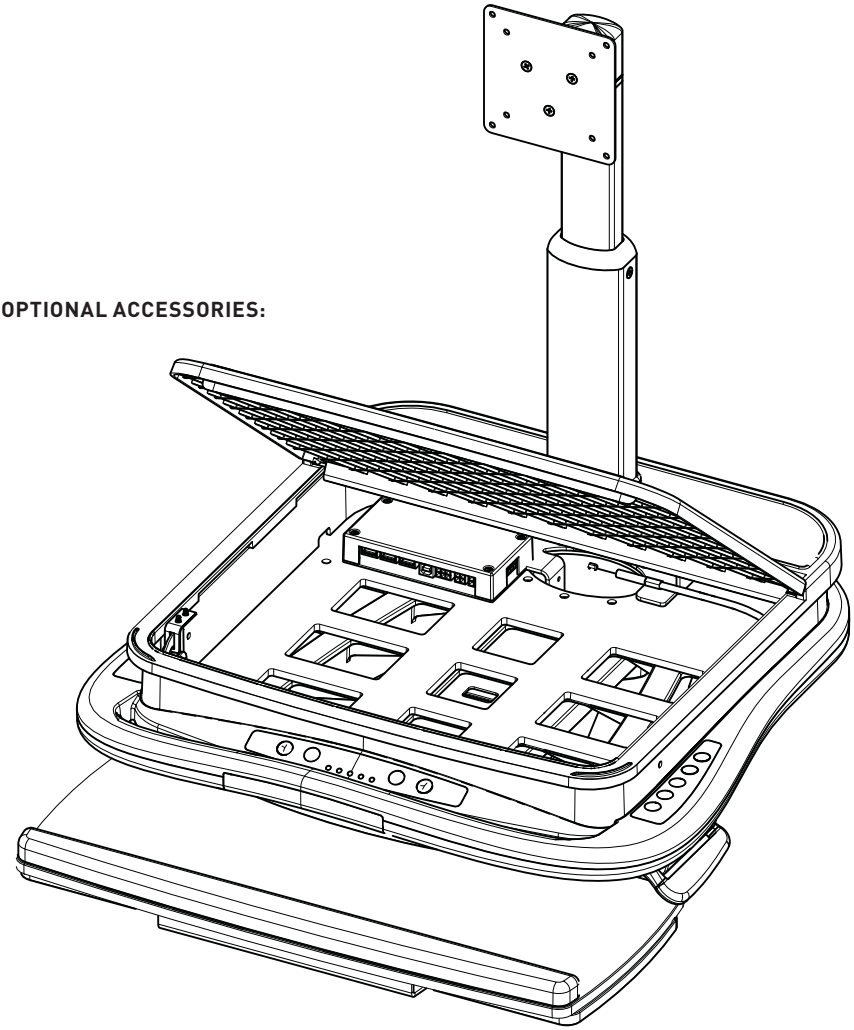
File Holder Bracket



Scanner Bracket

Technical Data

OPTIONAL ACCESSORIES:



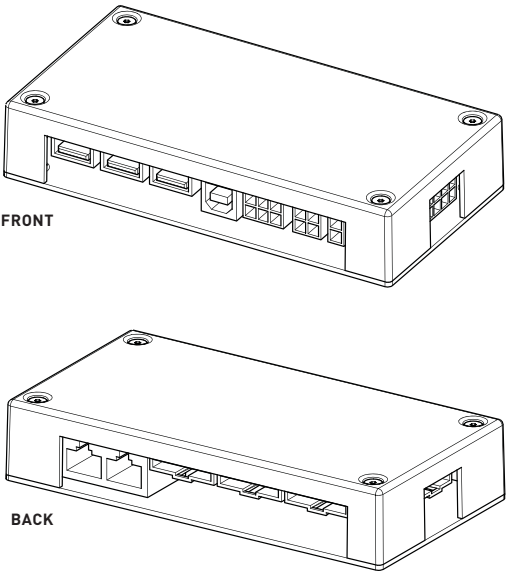
The EMC tray has a 12" D x 15.5" W x 2.5"D space to house Laptops or CPU's. *NOTE: Cables and peripherals must be accounted for when determining appropriate dimensional parameters.* Please account for these dimensions.

AC POWER SYSTEM – TRIPP-LITE UPSINPUT- 120*V*-60HZ, 5.1 A

- Output- 120*V*-60Hz, Maximum of 400VA or 300W
- Battery System–12*V* 40Ah Deep Cycle SLA-AGM
- The powered EMC includes a hospital grade 3-input 5-15 NEMA AC power cord set.
- LCD Parameters – The monitor pole can support weight ranging from 5-16 Lbs.
- Dimensions – The monitor pole can support up to a 22" diagonally measured LCD
- Tray Parameters– Interior usable dimensions (For laptop or CPU storage)

INTEGRATION KIT – THIS KIT INCLUDES:

- Rubber bumpers for keyboard retention
- 18" USB A to USB B Cable
- 8" zip ties
- Pair of keys
- Cable management cover (for LCD units only)
- Powered Control Board *(See Below)*



Powered Control Board and USB Hub – Each powered cart includes a 3 input USB adapter. In laptop versions this USB hub also functions as risers to adjust the height of the monitor.

Safety

GROUNDING
Connect the Enovate Medication Cart to an equivalent receptacle marked "Hospital Only" or "Hospital Grade" to ensure ground.

SERVICE AND REPLACEMENT
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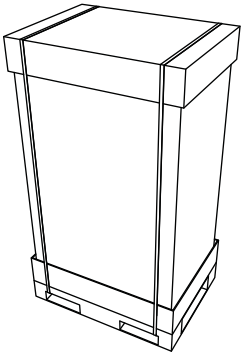
DANGEROUS VOLTAGE
Do not remove battery drawer—there may be live parts inside, even when the Enovate Medication Cart is turned off.

DO NOT OPEN THE POWER SYSTEM
Unauthorized personnel opening the power system may cause injury and/or death. If the unit is not working properly, please contact Enovate.

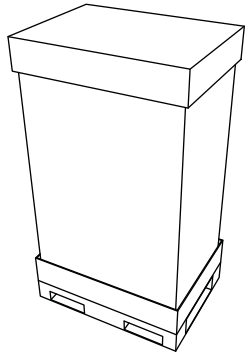
DO NOT USE THE UNIT IN OR NEAR WATER OR OTHER LIQUIDS
If the unit becomes wet, unplug it immediately, wipe away any excess liquid and allow it to dry before use.

Failure to do so can result in injury and/or death.

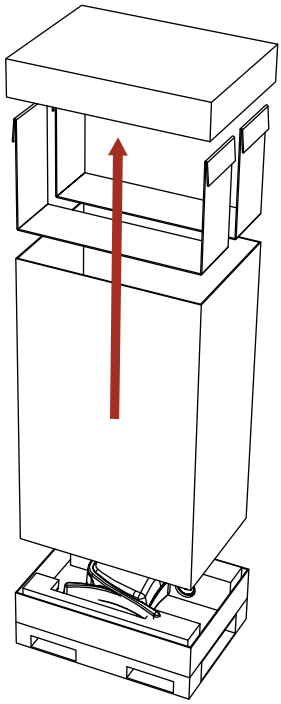
Unpacking



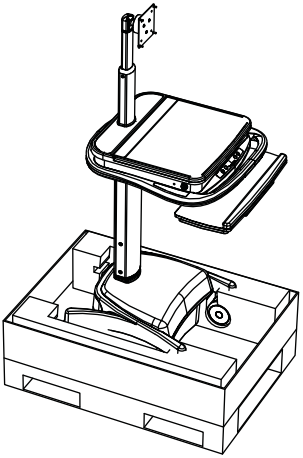
1 Before removing the EMC from a shipping container check over the packaging and pallet to prevent accepting an item with shipping damage.



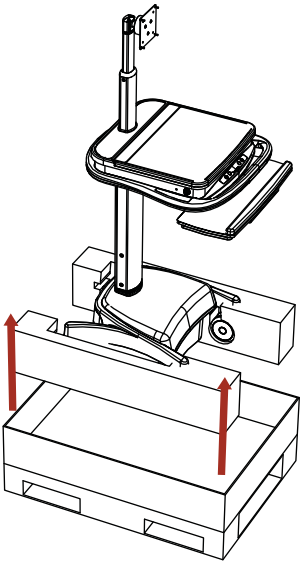
2 Use scissors or a utility knife to cut and remove the two outer straps.



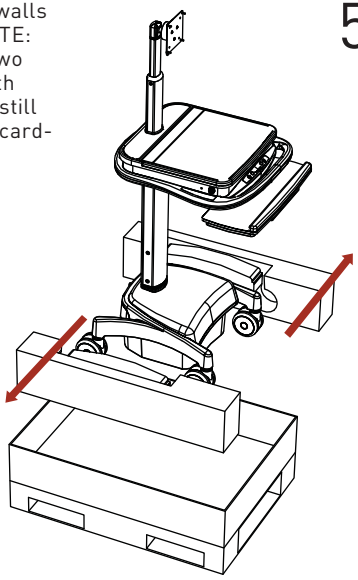
3 Remove cardboard lid and cardboard spacers.



4 Remove cardboard walls and plastic bag. NOTE: This step requires two people. Lift cart (with foam castor braces still attached) out of the cardboard base.



5 Remove foam castor braces.

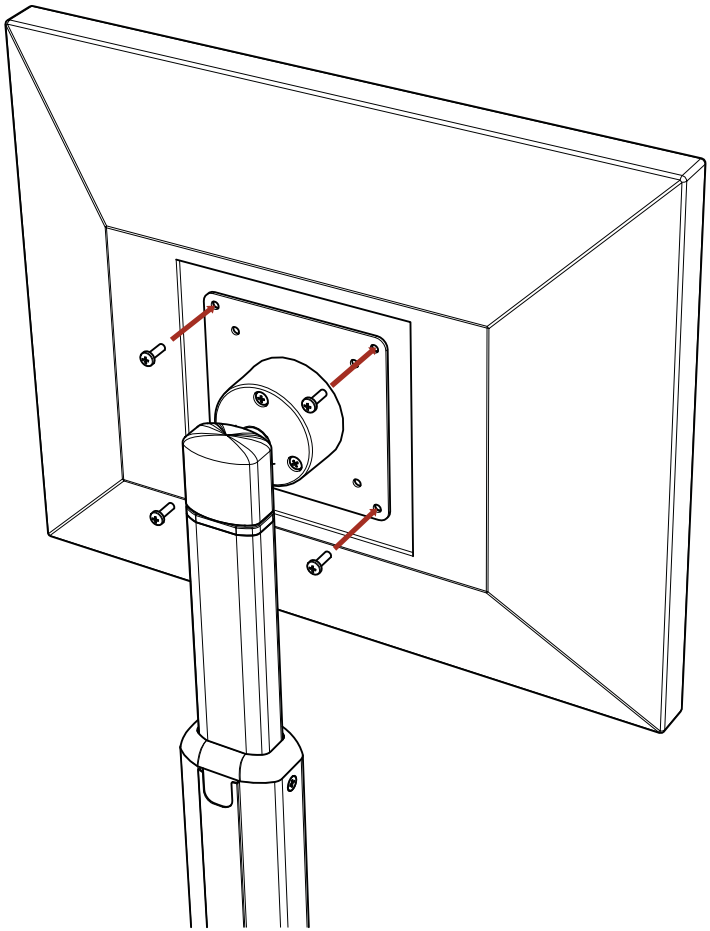


6 Open tray and check for integration kit and locate all optional accessories.

Initial Setup

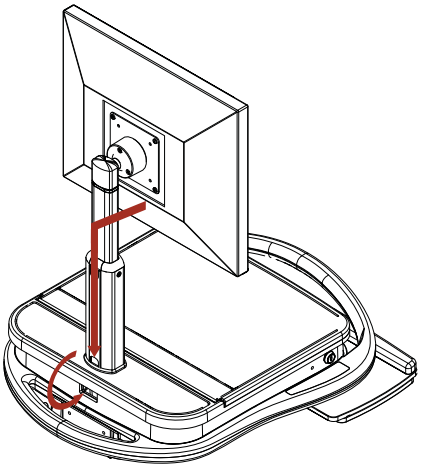
The initial setup of the EMC is minimal; incorporate hardware and devices and the cart is ready to run. The LCD/Laptop installation is intuitive and the EMC includes provisions to make this experience simple.

LCD CART INTEGRATION
Using the hardware provided with the monitor mount the monitor to the VESA plate of the monitor pole.



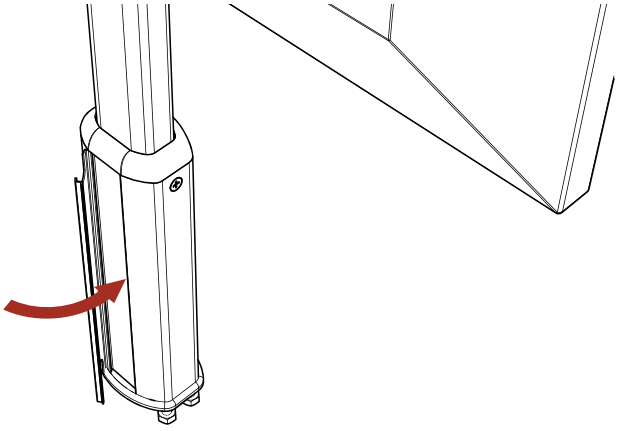
- Connect the monitor's power cable and video cable (DVI, VGA). Route the cable through the channel on the back of the monitor pole. Slide the cable management cover into place over the wires (image shows sequence; both bottom prongs in then the length of one entire side then the other). Leave enough slack above the cable management strip to allow the monitor to extend fully upward.

- Put the CPU side of the power and video cables through the hole in the center rear of the tray. Pull any extra cable length into the tray.



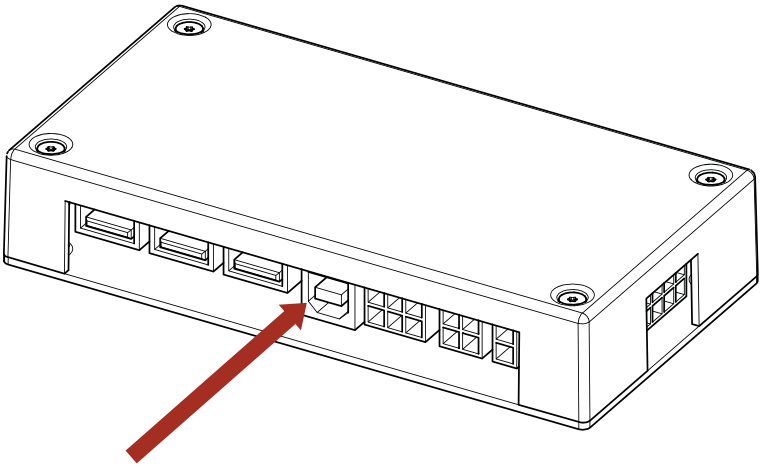
- Set the CPU into the tray. Two pieces of Dual Lock (Velcro) are provided to secure the CPU to the tray. *NOTE: Take care in CPU placement; consider orientation based on direction of cable inputs and sizes INCLUDING monitor input, power input, mouse, keyboard and any peripherals. Make cable connections within the tray.*

- Monitor to CPU, monitor to power and CPU to power. Using the provided USB A to USB B connects the CPU ("A" connector) to the USB hub ("B" connector). Using the provided zip ties neatly manage the excess wires within the tray.



LAPTOP CART INTEGRATION

- Open tray by lifting lid. Plug in Laptop power brick to power source (wc) and plug into the Laptop.
- Using the provided USB A to USB B connects the Laptop (“A” connector) to the USB hub (“B” connector).



- Estimate location of USB hub/Laptop riser. Moving the riser towards the front of the tray will lift the Laptop screen higher while moving the riser towards the back of the tray will drop the laptop screen lower.
- Slide the Laptop screen through the tray top (as shown). Set the laptop into place upon the riser and close the lid.

MOUSE INSTALLATION

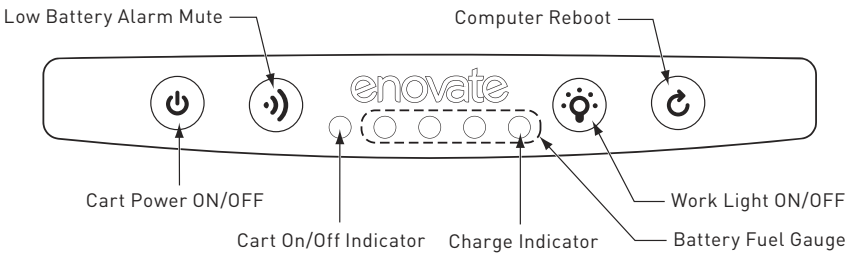
- Pull the keyboard tray forward to full extension. This will simulate the full length requirement of Mouse cable length.
- Route the cable under and through the tray, plug into appropriate location on CPU/ Laptop and zip tie into place.
- Stow mouse in mouse holder.

KEYBOARD INSTALLATION

- Apply silicone bumpers to rear corners of the key board tray for retention (with negative tilt).
- Pull the keyboard tray forward to full extension. This will simulate the full length requirement of Keyboard cable length.
- Set the Keyboard upon the Keyboard tray.
- Route the cable under and through the tray, plug into appropriate location on CPU/ Laptop.

Power System

SLA FUEL GAUGE

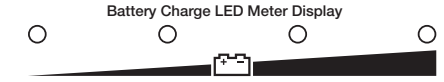


- **Cart Power** to turn **ON** – press and hold for 2 seconds. The first two LEDs will illuminate amber then the fuel gauge will beep and power on, revealing a charge level. To turn **OFF** – press and hold for 1 second. The fuel gauge will beep and LEDs will power off.
- **Low Battery Alarm Mute** If the battery level falls below 20% charge an alarm will sound; this button will turn it off.
- **Battery Fuel Gauge** The first LED displays power on/ power off. LEDs two through five indicate charge level and correspond to a percent range as described in tables below.
- **Work Light ON/OFF** toggle for LED work light. If left on, the light will auto-shut off after five minutes to conserve power.
- **Computer Reboot** Can function as a remote reboot button or a power toggle button. Check with your local sales rep for laptop compatability.
- **Cart ON/OFF Indicator** LED 1 is on when the cart is on (producing AC power). It is off when the cart is off.

INITIAL POWER-UP
Before the initial power up and use the EMC cart must be charged for 24 continuous hours to insure maximum battery life. Equipment may be connected during this time. If the cart has a medication cabinet, then leaving the cart on while charging will provide longer run-time.

This is because there is a backup battery in the medication cabinet for emergency access to the medication via a key, and the **backup battery only charges when the cart is on.**

SLA CHARGE LEVEL INDICATORS (DISCHARGING)



Approximate Battery Module Charge Level					Low Battery Alarm*
90%-100%	Green	Green	Green	Green	OFF
60%-89%	Green	Green	Green	OFF	OFF
31%-59%	Yellow	Yellow	OFF	OFF	ON
<=30%	Flashing Red	OFF	OFF	OFF	ON

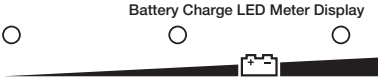
* The low battery alarm will beep once per second unless it is silenced by pressing the "Alarm Mute" button. Once the charge level falls below 30% (and shutdown is imminent) the alarm will resume again after one minute. The user should save open files and safely shutdown connected equipment immediately. If the cart is unattended and PowerAlert Software is loaded on a computer connected to the Power Supply Module, PowerAlert will automatically save open files prior to automatic shutdown.

LOW VOLTAGE CUTOFF

At a voltage of 10.5 Volts the Power System will automatically shut down the system and all connected components to prevent long term damage and cycle life reduction of batteries. Batteries should not be left in a discharged state for an extended period of time or it may adversaly effect the life of the battery.

Charging occurs with the cart turned on (first LED illimuinated) or off (fired LED not illimuinated)

SLA CHARGE LEVEL INDICATORS (CHARGING)



Approximate Battery Module Charge Level				
90%-100%	Green	Green	Green	Green
60%-89%	Green	Green	Green	Flashing Green
31%-59%	Green	Green	OFF	Flashing Green
<=30%	Green	OFF	OFF	Flashing Green

* Tripp Lite recommends that the power supply be plugged into a wall outlet, charging the battery as often as possible. Charging the battery for brief intervals DOES NOT adversely affect battery performance. However, leaving the battery fully discharged for long periods of time DOES adversely affect battery performance.

Recharging status can be viewed on LED readout described above. The last (5th) LED will stop flashing when charge is complete.

While charging, the components of the cart may be used. The Power Supply of the EMC will simultaneously charge the batteries and run the connected components.

- 3.5 hours from 10% to 90% capacity
- 4 hours from 10% to 100% capacity

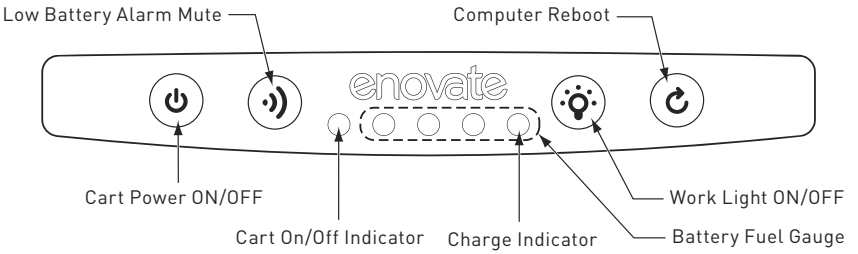
FUSES

Two external automotive style fuses protect the EMC's power system from irregular or potentially dangerous power surges. The fuses are in a dangerous area and should be replaced by Enovate authorized personnel only.

POWERALERT SOFTWARE

Visit **www.tripplite.com** for PowerAlert management software download and full instructional manual.

EON PHOSPHATE FUEL GAUGE

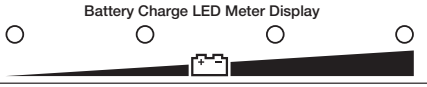


- **Cart Power Button** – To turn **ON**, press and hold for 2 seconds. The first two LEDs will illuminate amber and power on, revealing a charge level. To turn **OFF** – press and hold for 1 second, the LEDs will power off. It may take a few seconds for a correct reading to be displayed.
- **Low Battery Alarm Mute** If the battery level falls below 10% charge an alarm will sound; this button will turn it off.
- **Battery Fuel Gauge** The first LED displays power on/ power off. LEDs two through five indicate charge level and correspond to a percent range as described in tables below.
- **Work Light ON/OFF** toggle for LED work light. If left on, the light will auto-shut off after five minutes to conserve power.
- **Computer Reboot** Can function as a remote reboot button or a power toggle button. Check with your local sales rep for laptop compatability.
- **Cart ON/OFF Indicator** LED 1 is on when the cart is on (producing AC power). It is off when the cart is off.

INITIAL POWER-UP
Before the initial power up and use the EMC cart must be charged for 12 continuous hours to insure maximum battery life. Equipment may be connected during this time. If the cart has a medication cabinet, then leaving the cart on while charging will provide longer run-time.

This is because there is a backup battery in the medication cabinet for emergency access to the medication via a key, and the **backup battery only charges when the cart is on.**

EON PHOSPHATE CHARGE LEVEL INDICATORS (DISCHARGING)



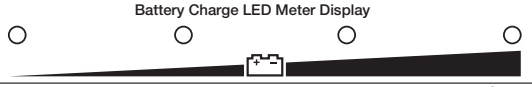
Approximate Battery Module Charge Level					Low Battery Alarm*
90%-100%	Green	Green	Green	Green	OFF
60%-89%	Green	Green	Green	OFF	OFF
30%-59%	Green	Green	OFF	OFF	OFF
10%-29%	Yellow	OFF	OFF	OFF	OFF
<= 9%	Flashing Red	OFF	OFF	OFFF	ON

* The low battery alarm will beep once per second unless it is silenced by pressing the "Alarm Mute" button. Once the charge level falls below 30% (and shutdown is imminent) the alarm will resume again after one minute. The user should save open files and safely shutdown connected equipment immediately. If the cart is unattended and PowerAlert Software is loaded on a computer connected to the Power Supply Module, PowerAlert will automatically save open files prior to automatic shutdown.

LOW VOLTAGE CUTOFF

At a voltage of 12 Volts the Power System will automatically shut down the system and all connected components to prevent long term damage and cycle life reduction. Batteries should not be left in a discharge state for an extended period of time or it may adversaly effect cycle life.

EON PHOSPHATE CHARGE LEVEL INDICATORS (CHARGING)



Approximate Battery Module Charge Level				
90%-100%	Green	Green	Green	Green
60%-89%	Green	Green	Green	Flashing Green
30%-59%	Green	Green	OFF	Flashing Green
<=29%	Green	OFF	OFF	Flashing Green

* Tripp Lite recommends that the power supply be plugged into a wall outlet, charging the battery as often as possible. Charging the battery for brief intervals DOES NOT adversely affect battery performance. However, leaving the battery fully discharged for long periods of time DOES adversely affect battery performance.

Recharging status can be viewed on LED readout described above. The last (5th) LED will stop flashing when charge is complete.

While charging, the components of the cart may be used. The Power Supply of the EMC will simultaneously charge the batteries and run the connected components.

- 2.75 hours from 10% to 90% capacity - 12amp
- 3 hours from 10% to 100% capacity - 12amp

FUSES

Two external automotive style fuses protect the EMC's power system from irregular or potentially dangerous power surges. The fuses are in a dangerous area and should be replaced by Enovate authorized personnel only.

POWERALERT SOFTWARE

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STORAGE

CAUTION! Even after the Power Supply Module is unplugged, its outlets may still deliver current, until it is disconnected from the Battery Module and completely turned OFF (deactivated). Before storing your Power Supply Module, make sure the Battery Module is fully charged. Next, turn the Power Supply Module completely OFF by following these steps:

- Unplug the Power Supply Module from the wall outlet (all LEDs and outlets should be OFF);
- Disconnect the battery module from the system. Press and hold the "Power" button for at least one second to dissipate any hazardous electrical charges that might remain inside the Power Supply Module (the Power Supply Module will click and the alarm may beep briefly).
- If you store the Power Supply Module and Battery Module for an extended period of time, recharge the Battery Module once per month. If the cart has a medication cabinet, **the cart must be left on while charging, and must be charged for at least 12 hours.** This ensures the backup battery gets a full charge.
- **If you leave the Battery Module discharged for an extended period of time, it will suffer a permanent loss of capacity.**

TROUBLESHOOTING

No AC output power available at outlets.	**Turn Unit On:** Turn the Power Supply Module ON using the "Power" button. **Check Connections:** Check to make sure the Power Supply Module and Battery Module are properly connected. Also, make sure the USB Hub is connected to the Power Supply Module. The Power Supply Module will not supply AC power without these connections. The user may need to turn on the Power Supply Module manually (using the **Recharge Battery Module:** if the Battery Module is fully discharged, the Power Supply Module will be unable to supply output power through its AC Outlets. Allow the battery fully charge.
Battery Module not recharging even with AC utility power present.	**Check Connection:** Check to make sure the Power Supply Module and Battery Module are properly connected. Also, make sure the Power Supply Module's power cord is plugged into a live AC wall outlet. **Replace Battery Module:** The Battery Module will reliably supply backup power for several years with the Lithium Ion and several months for the SLA. When the battery module reaches then of its service life it will supply progressively diminishing capacity. **If the battery was left in a discharge state for an extended period of time, it may not recover.** Contact Enovate for additional information.
Low battery alarm sounding.	**Check Battery Charge Level LED Meter:** Silence the alarm, if desired, with the "Alarm Mute" button. Check LED meter to determine the percentage of charge remaining. When the charge level falls below 10%, the Battery Module is nearly depleted and Power Supply Module shutdown is imminent. The user should save open files and safely shutdown connected equipment immediately. If the cart is unattended and PowerAlert Software is loaded on a computer connected to the Power Supply Module, PowerAlert will automatically save open files prior to automatic shutdown.

FREQUENTLY ASKED QUESTIONS

What is the LED Fuel Gauge
The LED Fuel Gauge has 5 LEDs: One On/Off LED on the far left and four battery level LEDs, position 1 – 4 from left to right and indicating low to high from left to right.

What is the status of the unit when the unit is plugged in, AC LED is on and 4 Battery lights (solid green) are on?
With the LEDs in this configuration and the unit plugged in, it is indicated that the unit is on and that the battery is fully charged (90 – 100%). The unit will pass power to the connected equipment using utility power. Your unit is functioning properly.

What is the status of the unit when it is plugged in, AC LED is off and 4 Battery lights (solid green) are on?
With the LEDs in this configuration and the unit unplugged it is indicated that the unit is off and that the battery is fully charged (90 – 100%). The unit will **not** pass power to the connected equipment using battery power. Your unit is functioning properly.

What is the status of the unit when it is plugged in, AC LED is on, 3 Battery lights (solid green – position 1, 2 and 3) are on and the 4th position Battery light flashing?
With the LEDs in this configuration and the unit plugged in, it is indicated that the unit is on and that the battery is 60 – 89% charged. The unit is currently charging and will pass power to the connected equipment using utility power. Your unit is functioning properly.

What is the status of the unit when the unit is plugged in, AC LED off and 3 Battery lights (solid green – position 1, 2 and 3) are on and the 4th position Battery light flashing?
With the LEDs in this configuration and the unit unplugged it, is indicated that the unit is off and that the battery is 60 – 89% charged. The unit will **not** pass power to the connected equipment using battery power. Your unit is functioning properly.

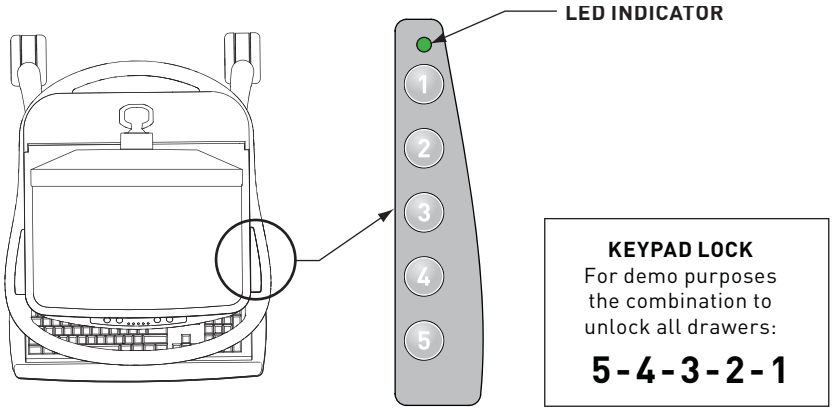
What is the status of the unit when the unit is plugged in, AC LED is on and 2 Battery lights (solid green – position 1 and 2) are on?
With the LEDs in this configuration and the unit plugged in indicates that the unit is on and that the battery is 31 – 59% charged. The unit is currently charging and will pass power to the connected equipment using utility power. Your unit is functioning properly.

What is the status of the unit when the unit is plugged in, the AC LED is off, 2 Battery lights (solid green – position 1 and 2) are on and the 4th position Battery light flashing?
With the LEDs in this configuration and the unit unplugged indicates that the unit is off and that the battery is 31 – 59% charged. The unit will **not** pass power to the connected equipment using battery power. Your unit is functioning properly.

What is the status of the unit when the unit is plugged in, the AC LED on and 1 Battery light (solid green – position 1) is on?
With the LEDs in this configuration and the unit plugged in indicates that the unit is on and that the battery is equal to/less than 30% charged. The unit is currently charging and will pass power to the connected equipment using utility power. Your unit is functioning properly.

What is the status of the unit when the unit is plugged in, the AC LED off, 1 Battery light (solid green – position 1) is on and the 4th position Battery light is flashing?
With the LEDs in this configuration and the unit unplugged indicates that the unit is in standby mode and that the battery is equal to/less than 30% charged. The unit is charging but will **not** pass power to the connected equipment using battery power. To pass power to the connected equipment the unit must be turned on (Online mode). Your unit is functioning properly.

Keypad Operation



TYPE A

KEYPAD - TYPE A
There are five keys that are used to enter 5-digit PIN codes.

LED
A single multi-color LED on the keypad provides feedback to the user as key sequences are pressed. The LED can appear as green or red.

LED COLOR		FLASH ONCE	FLASH TWICE
Green		Each key press	Sucessful operation
Red		N/A	Failed operation or timeout

MASTER CODE
There is one, 5-digit Master PIN Code for use by the system administrator. The Master Code is used to assign User PIN Codes and for other maintenance functions.
The factory default Master Code is 12345.

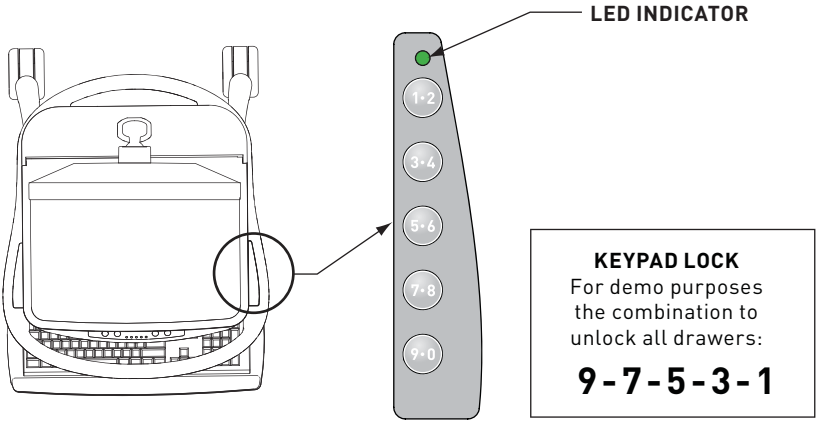
USER PIN CODES
Up to 100, 5-digit PIN Codes can be assigned for use by hospital personnel to access the drawers. When a user enters their valid PIN code, the drawer unlocks to allow access. The drawer relocks after a configurable time interval.
The factory default User PIN Code is 54321.

RESERVED PIN CODES
The following PIN codes are reserved for administrative usage. These codes cannot be assigned as either the Master Code or as a User PIN Code.

PIN	Code Description
13344	Add a user PIN code.
13341	Delete a user PIN code.
13342	Delete all user PIN codes and restore default user PIN code 11111.
13321	Turn on USB. Keypad behaves like a keyboard for the PC.
13322	Turn off USB.
13333	Report configuration over USB (to a text editor).
13343	Set the drawer unlock time.
13351	Enter the bootloader to upgrade the embedded firmware.
13331	Reserved for future use.
13332	Reserved for future use.
13352	Reserved for future use.
13354	Reserved for future use.
13343	Reserved for future use.

FACTORY DEFAULTS SUMMARY
All units are shipped from the factory with the following default values:

Item	Default Value
Master Code	12345
User PIN Code	54321
Unlock Time	15 seconds
USB Interface	Off



TYPE B

KEYPAD - TYPE B
There are five keys that are used to enter 5-digit PIN codes. All PIN codes are stored, processed and reported as odd numbers

LED
A single multi-color LED on the keypad provides feedback to the user as key sequences are pressed. The LED can appear as green or red.

LED COLOR		FLASH ONCE	FLASH TWICE
Green		Each key press	Sucessful operation
Red		N/A	Failed operation or timeout

MASTER CODE
There is one, 5-digit Master PIN Code for use by the system administrator. The Master Code is used to assign User PIN Codes and for other maintenance functions.
The factory default Master Code is 13579.

USER PIN CODES
Up to 100, 5-digit PIN Codes can be assigned for use by hospital personnel to access the drawers. When a user enters their valid PIN code, the drawer unlocks to allow access. The drawer relocks after a configurable time interval.
The factory default User PIN Code is 97531.

RESERVED PIN CODES
The following PIN codes are reserved for administrative usage. These codes cannot be assigned as either the Master Code or as a User PIN Code.

PIN	Code Description
15577	Add a user PIN code.
15571	Delete a user PIN code.
15573	Delete all user PIN codes and restore default user PIN code 11111.
15531	Turn on USB. Keypad behaves like a keyboard for the PC.
15533	Turn off USB.
15555	Report configuration over USB (to a text editor).
15575	Set the drawer unlock time.
15591	Enter the bootloader to upgrade the embedded firmware.
15551	Reserved for future use.
15553	Reserved for future use.
15593	Reserved for future use.
15597	Reserved for future use.
15575	Reserved for future use.

FACTORY DEFAULTS SUMMARY
All units are shipped from the factory with the following default values:

Item	Default Value
Master Code	13579
User PIN Code	97531
Unlock Time	15 seconds
USB Interface	Off

Keypad Operation
Administrative Functions

All code entries require five key presses. Too few or too many key presses will result in a failed operation.

NOTE: In all of the following examples it is advised to have all key strokes written down for the desired operation. **If there is a pause of 2 seconds or longer between any two keys the red LED will flash twice to indicate a failure.** To cantcel an operation, stop pressing keys and let the operation fail due to a timeout. When an operation completes successfully there will be two green flashes.

CHANGING THE MASTER CODE

1. Enter the current Master Code.
2. Enter the current Master Code again.
3. Enter the new Master Code.
4. Pause for 2 seconds.
5. The green LED flashes twice for success. The new Master Code has been saved and activated.

IMPORTANT: RECORD YOUR MASTER CODE AND SAVE IT IN A SAFE PLACE.

ADDING A USER PIN CODE

1. Enter the Master Code.
2. Enter 13344 (TYPE A) or 15577 (TYPE B).
3. Enter the PIN Code to add.
4. Pause for 2 seconds.
5. The green LED flashes twice for success. The PIN Code has been saved and activated.

DELETING A USER PIN CODE

1. Enter the Master Code.
2. Enter 13341 (TYPE A) or 15571 (TYPE B) .
3. Enter the PIN Code to delete.
4. Pause for 2 seconds.
5. The green LED flashes twice for success. The PIN Code has been deleted.

DELETING ALL USER PIN CODES AND RESTORING THE DEFAULT PIN CODE

1. Enter the Master Code.
2. Enter 13341 (TYPE A) or 15573 (TYPE B).
3. Pause for 2 seconds.
4. The green LED flashes twice for success. All User PIN Codes have been deleted and the factory default PIN code 11111 restored.

SETTING THE DRAWER UNLOCK TIME

1. Enter the Master Code.
2. Enter 13343 (TYPE A) or 15575 (TYPE B).
3. Enter the 5-digit time code for the required unlock time
4. Pause for 2 seconds.
5. The green LED flashes twice for success. The new Unlock Time has been saved and activated.

UNLOCK TIME CODES - TYPE A

Unlock Time (in seconds)	Time Code	Unlock Time (in seconds)	Time Code
5	11111	18	11134
6	11112	19	11135
7	11113	20	11141
8	11114	21	11142
9	11115	22	11143
10	11121	23	11144
11	11122	24	11145
12	11123	25	11151
13	11124	26	11152
14	11125	27	11153
15	11131	28	11154
16	11132	29	11155
17	11133	30	11211

UNLOCK TIME CODES - TYPE B

Unlock Time (in seconds)	Time Code	Unlock Time (in seconds)	Time Code
5	11111	18	11157
6	11113	19	11159
7	11115	20	11171
8	11117	21	11173
9	11119	22	11175
10	11131	23	11177
11	11133	24	11179
12	11135	25	11191
13	11137	26	11193
14	11139	27	11195
15	11151	28	11197
16	11153	29	11199
17	11155	30	11311

Keypad Operation
User Functions

UNLOCKING THE DRAWERS

1. Enter a valid User PIN Code
2. Pause 2 seconds
3. The green LED flashes twice for success and the drawers unlock.
4. After 15 seconds (default) or the user programmed unlock time, the drawers will be relocked.

ODD NUMBERS - TYPE B ONLY

Since all key strokes are recorded and processed as odd numbers it is important to know that duplicate numbers do exist and can cause faults.

Example – The number 24680 is the same as 13579.

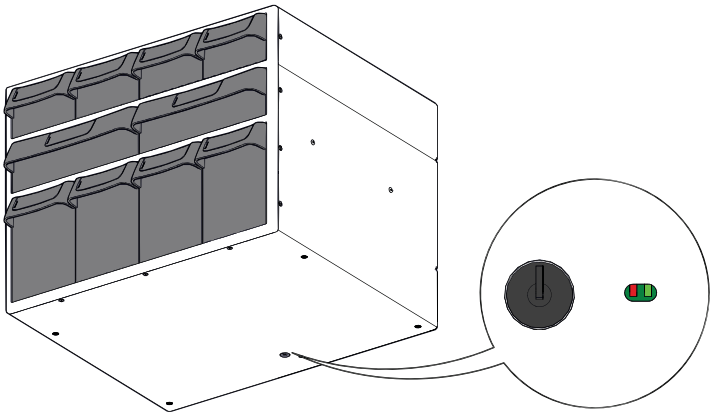
If the administrator was to add the pin code 24780 to the system you will notice that it will be reported back in the "Current Configuration Report" as 13579. If you look closely at the keypad you will notice that the above two numbers are the same keystrokes according to the system.

It is perfectly OK for the user of the system to remember a number they are familiar with like 24680 but the administrator that tries to enter that pin may result in a fault if 13579 is already in use.

To avoid confusion, the administrator must require all users to use pin numbers that consist of odd numbers. This way the numbers selected and the numbers that are reported back in the report will always match.

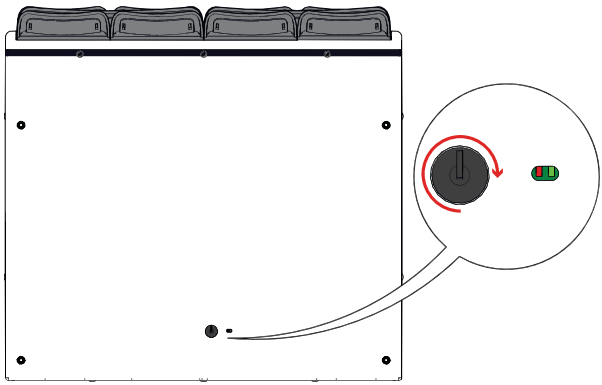
Keypad Operation
Emergency Key Switch Overide

In the event of a cart power failure or non-functioning keypad, an emergency lock override has been provided. The key switch override is located on the underside of the drawer system between the webbing of the cart shelf.



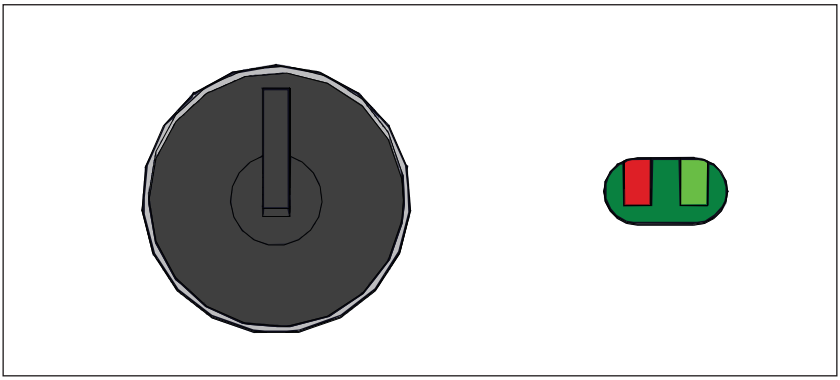
UNLOCKING THE DRAWERS WITH EMERGENCY KEY SWITCH OVERRIDE

1. Turn key clockwise and release to deactivate locks. Note: Key switch is momentary and should not be held in the unlocked position
2. All locks will remain open for 30 seconds
3. Once the locks have retracted, the keyswitch can be used again, the emergency override will activate the locks a maximum of 5 times.



INDICATOR LEDS
Red and Green indicator LEDs are located on the underside of the drawer system, next to the keyswitch.

LED Color	LED STATUS	
GREEN	ON	Indicates that the AUX battery is being charged or is fully charged and is above the voltage level of 12.79V
GREEN/RED	OFF	Indicates that the voltage is below 12.79V. Battery voltage is in the usuable range and will still activate the locks when the key switch is used.
RED	OFF	Indicates normal operation
RED	ON	Indicates a fault and the auxilary battery has dropped below 10.59 volts. If the RED LED turns on after the key switch is used it will immediately turn off the locks. If the RED LED is already on before using the key switch, the key switch will not work.



Warranty

WHAT'S COVERED & HOW LONG?
Standard warranty covers four (4) – years structural components, two (2) – years for power system and electronics and six (6) – months for battery.

- Warranty coverage begins on product's date of receipt. Standard warranty does not cover problems resulting from product abuse, negligence/accident, misuse, improper operation, post-delivery physical damage, and/or product modifications without Enovate's prior written approval.

- External peripherals (including: computing equipment/devices, monitors, keyboards, mouse, USB hub, etc.) are not included in this warranty.

Enovate shall not be liable for any consequential or incidental damages

HOW WE HELP YOU
Support services provided along with the standard warranty must be requested within the expressed warranty time frame for the product element.

- Technical support may request customer collaboration and assistance during diagnosis to provide for next business-day service resolution. Typically, this requires, but is not limited to:

- Identifying a primary contact representative (with phone number and e-mail address) to work with Enovate and answer relevant questions.

- Providing the serial ID number and access to the product.

- Performing basic troubleshooting activities as directed by Enovate's Technical Support.

Resolution methods can include, but are not limited to, any of the following:

- Verbal/written instructions to correct the problem.

- Shipping of replacement parts OR a product swap.

- On-site dispatch of an Enovate authorized service technician.

If needed, Enovate will involve its design engineers or supplier partners for resolution assistance and customer's satisfaction. Determination for resolving warranty issues will be at Enovate's sole discretion.

TECHNICAL SUPPORT ASSISTANCE
Service requests can be made at any time via Enovate's support website or by phone:

- 1-877-258-8030
- www.enovatusa.com/sup
- Support hours are Monday – Friday, 8 am – 6 pm ET (except holidays)

ENOVATE'S RESPONSE PLEDGE

- A reply to all service requests, within 2 hours of their submittal during business hours.
- Service resolutions by the next business-day.

DO NOT

- Disassemble, crush, drop, throw, puncture, or incinerate
- Short circuit electrical contacts
- Expose to temperatures above 80 degrees celsius
- Pinch, cut, or otherwise tamper with the wire harness
- Store battery in a discharged state
- Never charge the battery without a charging system approved by Enovate.
- If the battery is in storage, ensure the battery is recharged every 6 months for Phosphate batteries and once per month for SLA batteries, unless the cart has a medication cabinet, then 1 per month, regardless of battery chemistry.
- If the battery is not functioning properly, contact an Enovate representative.

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