

## The advanced TouchPoint Medical Power System: Professional grade systems offering unparalleled options and functionality for healthcare

As hospitals continue to adopt and expand mobile computing strategies, power systems are the most critical component to ensuring caregivers can access information and medications shift after shift. At TouchPoint Medical, we understand the critical role that power systems play. As a result, we have designed and manufactured ours to withstand the day-to-day rigors of today's challenging healthcare environment with our unrelenting commitment to excellence, quality and reliability.

### A SNAPSHOT OF THE TOUCHPOINT MEDICAL POWER SYSTEM

A computerized cart's power system can be as important as the battery chemistry itself. Therefore, the advanced TouchPoint Medical power system comes with many unique characteristics that give the users more options and increased reliability.

- **Advanced lithium options:** Not all lithium batteries are created equal. TouchPoint Medical's high-performance Lithium Iron Nanophosphate (Li-Nano) battery technology delivers high power and energy density combined with excellent runtimes and battery life in a lighter weight, more compact package. Li-Nano is superior to the typical lithium iron phosphate batteries found in other manufacturers' carts in the three key measurable areas of a battery's performance:

- *High power:* Higher charge and discharge rates for better performance and efficiency
- *Higher usable energy:* Wide state-of-charge (SOC) range enables greater battery utilization
- *Extended cycle life:* Long battery life for both deep and shallow cycling

TouchPoint Medical places so much confidence in the capabilities of Li-Nano that they are the only manufacturer in the industry to offer five years of guaranteed\* performance on a mobile computing workstation's battery cells.

- **Battery-only chemistry upgrades:** TouchPoint Medical understands that sometimes budgetary constraints restrict a facility's battery options at the time of initial purchase. The TouchPoint Medical power system is unique in that it allows for battery-only chemistry upgrades without the need to replace the entire power system. Upgrading from SLA+ to even the most advanced Li-Nano battery option can be completed in a fraction of the time it would take to perform a similar upgrade on another manufacturer's cart.



\*TouchPoint Medical warrants Lithium-Iron Nanophosphate (Li-Nano) batteries to be free from defects in materials and workmanship for 5 years from the product ship date. This warranty extends only to rechargeable battery cells furnished and installed by TouchPoint Medical onto the Product. A battery will be considered defective if it fails to deliver 60% of its rated capacity, as determined by TouchPoint Medical under its procedures. Please refer to the *TouchPoint Medical Battery Standard Limited Warranty* for additional details and exclusions.

- **Smart electronics:** TouchPoint Medical power systems include smart electronics to promote better performance by preventing deep discharges and overheating that can damage and reduce performance, cycles and ultimately, battery life itself. Additionally, TouchPoint Medical power systems include a microchip on each battery pack to balance the power draw and condition the battery to promote optimal lifetime reliability, performance and cycles.

- **Flexible power architecture:** Unlike competing systems, the TouchPoint Medical AccessPoint can be configured to be powered by direct current (DC), alternating current (AC), or a combination of the two. As the most versatile and efficient battery systems, DC powered workstations require less conversions to optimize power for consistent performance in all applications throughout the healthcare facility. While less efficient than DC, AC power can be an ideal solution when quality, off-the-shelf components are required. This flexibility allows TouchPoint Medical customers to make their own selections or use existing technology and assemble for themselves.

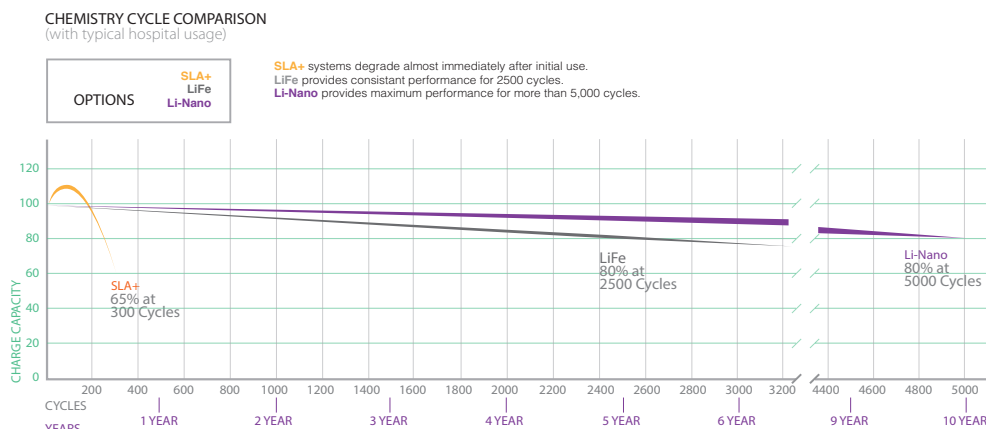
- **Charging options:** TouchPoint Medical is sensitive to applications that might require different charging options. Therefore, TouchPoint Medical is the only manufacturer to offer a selectable fanless charging mode. Our fanless charging mode quietly recharges the system in three hours, while reducing the circulation of dust, debris and other harmful contaminants. The fanless charging mode avoids disturbing the patient with excessive noise and can be essential in specific areas of the hospital where a complete sterile environment is critical. With the fan enabled, fast-charge mode can replenish

a depleted power supply in as little as two hours. TouchPoint Medical’s BatteryPro software helps to manage the fan/fanless capability.

Mobile workstations are used differently from facility-to-facility for tasks like clinical documentation and daily medication distribution. Therefore, it is important the unit’s power system has the ability to minimize downtime with reliable performance. Whether the cart is plugged in and parked between multiple patient rooms during a routine medication delivery or if it’s charged only after the battery is down to zero or 10 percent, the features of the TouchPoint Medical power system combine to provide an unmatched user experience.

## BEST OF LITHIUM

A common misconception is that all lithium batteries are identical. Some chemistries are better than others



because of the materials manufacturers use to produce them. At TouchPoint Medical, our batteries and components are of the highest quality, as opposed to mid-grade or lower quality options. Purchasing a mid-grade battery initially might seem cost effective, but over time it will become more expensive due to a quicker rate of battery replacement or inconsistent performance leading to downtime. A higher quality lithium battery like Li-Nano might have more of an initial investment, but replacements, downtime, and maintenance will be little to



THE TOUCHPOINT MEDICALMONITOR DASHBOARD SYSTEM ALLOWS STAFF TO MONITOR AN ENTIRE FLEET OF WORKSTATIONS INCLUDING STATUS, CHARGE LEVEL, CHARGE TIME, REMAINING RUN TIME AND BATTERY HEALTH.

none and performance will be much more reliable.

## ADVANCED UPGRADABILITY

TouchPoint Medical wants to ensure its customers get the most out of their computerized cart investment. Therefore, TouchPoint Medical’s elite power system, Li-Nano battery technology and new universal tech tray all serve to offer unprecedented options and features like never before in the healthcare industry.

The innovative universal tech tray was designed with today’s ever-evolving technology in mind. It is now no longer necessary to purchase a new cart if a technology upgrade is needed or if a different technology is required for a new application. The universal tech tray can be easily adjusted to accommodate the latest technologies.

## ENVIRONMENTAL

With the push for newly constructed buildings to become LEED certified, there’s never been a better time for Li-Nano batteries. The lesser amount of replacements, if any, Li-Nano needs reduces the amount of disposed batteries. As a result, hospital projects specifying Li-Nano power systems for use in their facility are more likely to be considered for LEED certification because of Li-Nano’s energy efficiency and conservation.

## MONITORING

To keep a workstation fleet up and running smoothly, IT and biomedical staff need visibility into the status of power systems. This is especially important when using less

advanced power systems that need to be replaced more frequently. Power systems that are more advanced include “intelligence” that enables IT/biomedical staffs to remotely monitor power system health on a single computer screen.

Using the TouchPoint Medical Monitor Dashboard system, staff can monitor an entire fleet of workstations, including status, charge level, charge time, remaining runtime and battery health. Such advanced monitoring systems offer easy access to the essential details to staying current with power system maintenance. Furthermore, enhanced monitoring provides data for hospital leadership to manage and budget for power system upgrades and replacements. TouchPoint MedicalMonitor Dashboard also provides the tools to compare performance of workstations individually and by department. This information can help hospital leadership adapt their mobile power strategy as needed to support reliable, cost-effective operations.

## IN SUMMARY

When purchasing a mobile workstation and its power system, it’s important to focus on more than just the battery’s capacity and life cycles. Doing so will result in a favorable return on investment because of smoother workflow, increased productivity, staff satisfaction, lower energy and battery costs and most favorable of all, a unit that is easily adaptable to the ever-changing healthcare industry technology. Therefore, when considering a power system, think TouchPoint Medical.

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