

PowerSwap Nucleus Lithium Power System



PowerSwap
Nucleus
Lithium Power System

Introducing Our First Lightweight Lithium Portable Power Pack
www.newcastlesys.com/powerswap-nucleus

PowerSwap Nucleus

The **NEW PowerSwap Nucleus Lithium Power System** is the first lithium iron phosphate power pack designed for industrial environments. This rugged, yet lightweight battery system provides quiet, seamless AC power for 8-12+ hours at a time. Once the battery charge is depleted, simply swap it with a fully charged one in a matter of seconds enabling a 24/7 operation.

Outstanding Benefits:

- Ergonomic and safe - battery weighs only 11 lbs.
- Plug and play system - no tools, heavy lifting or maintenance personnel required for battery changes
- Ideal for multiple shifts or 24/7 operation
- Hot swappable - never run out of battery power or lose a terminal session
- Extreme longevity - 5 -7 year battery life (or 3,000 cycles)
- Interchangeable - designed to mount to all Newcastle cart configurations or your own mobile cart



System Consists of:

- 1 to 4 lithium battery packs
- Power docking station with 6 outlet power strip
- Battery charging station



Easy to read LED power level indicator




Swap it with a freshly charged pack in a matter of seconds



Stand alone battery charging station
Footprint: 16" W x 11 5/8" D x 11 1/2" H
Weight: 20 lbs.

****Lithium Safety Concerns**** The PowerSwap Nucleus battery employs lithium-iron phosphate technology, which is significantly more stable than standard lithium-ion or lithium-polymer solutions. Unlike these chemistries, lithium-iron phosphate batteries are not subject to potentially dangerous ignition events when subjected to over-heating or mechanical abuse.

Technical Specifications

Power System Components:	PowerSwap Nucleus Lithium Power System	 Power Docking Station (Shown on NB Series) Footprint: 16" W x 11 5/8" D x 11 1/2" H Weight: 20 lbs.
Each Battery:	36 AH lithium iron phosphate; Supports up to 460 watt hours	
Typical Hardware & Run Time:	Laptop, barcode printer & scanner for 8-12+ hours	
Approximate Charge Time:	4 - 8 hours	
Color:	Green protective plastic outer casing	
Battery Dimensions:	6.5" wide x 12.82" long x 6.4" high (165 x 326 x 163 mm)	
Battery Weight:	11 lbs. (5 kg)	

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