

# PowerSwap Nucleus<sup>®</sup>

Lithium Power System

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**Nucleus<sup>®</sup>**  
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NEW!



Lightweight, Swappable AC Power for Industrial Applications  
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# PowerSwap Nucleus® Lithium Power System

The PowerSwap Nucleus® Power System is designed to expand productivity into all spaces of the warehouse/DC, production floor and other industrial environments. These rugged, yet lightweight battery systems provide 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

- Reduce excess worker motion, product transportation, and touches in your shipping/receiving, quality assurance, and material replenishment processes
- Interchangeable - designed to mount to your own industrial cart or any Newcastle cart configuration
- Plug & play power system - no tools, heavy lifting or maintenance personnel required for battery changes
- Extreme longevity - 5 to 7 year battery life (or 3,000 cycles)
- Ideal for multiple shifts or 24/7 operation
- Safe & stable battery chemistry



## Technical Specifications

### System Consists of:

- 1 to 4 lithium iron phosphate battery packs
- Power docking station
- Battery charging station



Power System Components:	PowerDock Solo (PWD-1)	PowerDock Dual (PWD-2)
Typical Hardware & Run Time:	Laptop, small printer & scanner for 8+ hours	Laptop, industrial printer & scanner for 8-12+ hours (with 2 batteries)
Continuous Output Power (W):	120	120 (1 battery) / 240 (2 batteries)
Surge Power (W):	550	550 / 825
Battery Bank (Wh):	460	460 / 920
Operating Temp. Range (F):	50 - 104°	
Hot Swappability:	No	Yes
PowerDock Dimensions & Weight:	8.4" W x 11" L x 13.25" H / 12 lbs. (213 x 279 x 337 mm) / (5.5 kg)	16" W x 11.625" L x 11.5" H / 20 lbs. (406 x 295 x 292 mm) / (9 kg)
Charging System Components:	PowerCharge Dual (PWC-2)	PowerCharge Dual - FastCharge (PWC2-FC)
Approximate Charge Time (Hrs):	8	4
Operating Temp. Range (F):	50 - 104°	
PowerCharge Dimensions & Weight:	16" W x 11.625" L x 11.5" H / 20 lbs. (406 x 295 x 292 mm) / (9 kg)	
PSNU3.6 Battery Pack:	Lithium Iron Phosphate; Supports up to 460 WH	
Battery Dimensions & Weight:	6.5" W x 12.82" L x 6.4" H / 11 lbs. (165 x 326 x 163 mm) / (5 kg)	