



The first swappable lithium power system for industrial applications

The PowerSwap Nucleus® Classic Lithium 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

Newcastle PowerSwap Nucleus® Classic Lithium Power System



Power system consists of:

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



Power System Components:	PowerDock Solo (PWD1)	PowerDock Dual (PWD2C)
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:	120 watts	120 (1 battery) / 240 watts (2 batteries)
Surge Power:	550 watts	550 / 825 watts
Battery Bank:	460 Wh	460 / 920 Wh
Operating Temp. Range:	50 – 104 F	
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)	17.75" W x 11.63" L x 10" H / 15 lbs. (451 x 295 x 254 mm) / (6.8 kg)
Charging System Components:	PowerCharge Dual (PWC2C)	
Approximate Charge Time:	4-5 Hours	
Operating Temp. Range:	50 - 104 F	
PowerCharge Dimensions & Weight:	17.75" W x 11.63" L x 10" H / 15 lbs. (451 x 295 x 254 mm) / (6.8 kg)	
PSNU3.6 Battery Pack:	460 Wh Lithium Iron Phosphate	
Battery Dimensions & Weight:	6.5" W x 12.82" L x 6.4" H / 11 lbs. (165 x 326 x 163 mm) / (5 kg)	

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SAVE STEPS.
INCREASE PRODUCTIVITY.™