

## The Quickest Charge For Your Notebooks And Tablets

Ergotron's PowerShuttle® technology is a patented, embedded control system that monitors incoming current from the wall outlet and distributes it to microprocessor-controlled outlets inside the charging cart to quickly, efficiently and safely charge your devices, and give you peace of mind. Here's how:

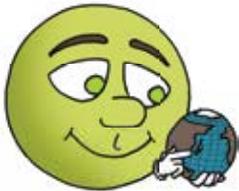
- Save time! PowerShuttle charges up to 40% faster than competitors' round-robin charging systems.
- Doesn't require manually switching between outlets or adjusting timers.
- Limits inrush current – the instantaneous current draw when you first power on.
- Prevents nuisance tripping of site circuit breakers and electromagnetic interference with other devices.
- Keeps you safe from arc at the plug and hazardous touch currents.



PowerShuttle charges up to 40% faster than round-robin and other charging systems!

## How PowerShuttle Works

- 1 A sensor constantly measures the current coming into the cart from the wall outlet. This helps determine the geographic region where you are (various current limits are used throughout the world) and applies the current limit that is specific to your region.



- 5 As devices reach full charge, they'll draw less and less current until all device outlets can be "on" to minimize charge time.



- 2 PowerShuttle's inrush protection uses microprocessor controls to gradually increase current to the devices as the cart is initially switched on or plugged in, to prevent spikes.



- 3 As devices charge, PowerShuttle stays vigilant with a sensor continuously monitoring the amount of current from the wall outlet into the cart.



Shown above, Ergotron's YES36 Charging Cart

- 4 If the current from the wall outlet is about to exceed the cart's regional limit, PowerShuttle immediately divides the device outlets into groups. This "measure and divide" process (steps 3 and 4) will repeat until all outlets can be on at the same time.



# Why You Should Care About Safety Certification

## The Risks of Using Non-certified Products



- 1 Critical materials are not fire resistant – *This is a fire hazard if a battery or electrical fault occurs.*
- 2 Electrical hazards are not physically enclosed – *Shock hazards exist if either energized circuitry can potentially be touched directly or exposed metal is not safely grounded or properly isolated. Fire hazards can exist if the enclosure can potentially let out flames or molten metal if an electrical fault occurs inside of the enclosure.*
- 3 Mechanical hazards are not mitigated – *If not properly tested and certified, pinch points, tip, crush and cut, sharp edges, and moving parts can injure students and staff.*
- 4 Equipment ratings must meet National Electrical Code – *Non-evaluated systems may exceed allowable load limits causing electrical arcing, facility problems and/or interaction and interference with other equipment.*
- 5 No manufacturing factory quality surveillance – *Product quality and consistency must be managed and ensured.*



PowerShuttle

Certified PowerShuttle® Charging Carts and Cabinets  
save time and protect your investments.

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