



## Staco FirstLine - Three Phase UPS Systems

In the event of an AC power failure, the FirstLine® P, PE, PLT and E3 UPS will automatically transfer to battery power and continue to provide power without any interruption for the full amount of time you select. When power returns, the UPS will automatically recharge the batteries for the next unexpected power outage or disturbance.



**FIRSTLINE PL<sub>T</sub>**

### FirstLine PLT (50-60 kVA)

Three Phase, On-Line Double Conversion, Uninterruptible Power Supply

- Up to 94% Efficient Lower energy costs and carbon footprint Hot Standby Economy Mode available
- Compact & Reliable 208VAC or 480VAC models with \*internal batteries (50-60kVA) allows for smaller footprint. Cooler operation extends internal component life
- AC Input Performance High input power factor of 0.99. Low input current distortion of < 1% (THDi) @ full load. Soft Start Power walk-in function that ensures progressive rectifier start-up



**FIRSTLINE P<sub>E</sub>**

### FirstLine PE (50-200 kVA / kW)

Energy Efficient Uninterruptible Power Supply

Three Phase, On-Line Double Conversion

- Up to 99% Efficient Lower energy costs and carbon footprint
- Built-in Power Quality Metering Accurately diagnose and troubleshoot utility power events
- Advanced Touchscreen Display Integrated 4 channel oscilloscope for troubleshooting without any use of special software or encrypted tools



**FIRSTLINE P**

### FirstLine P (65-500 kVA)

Three Phase, On-Line Double Conversion, Uninterruptible Power Supply

- Up to 98% Efficient Lower energy costs and carbon footprint
- Compact & Reliable Requires either front access so it can be placed against a wall to minimize footprint. Cooler operation extends internal component life.
- AC Input Performance High input power factor of 0.99. Low input current distortion of <= 3%. Power walk-in function that ensures progressive rectifier start-up.



**STACO E3**

### Staco E3 (3.5-40 kVA)

Three Phase, On-Line Double Conversion, Uninterruptible Power Supply

- Above 92% Efficient Lower energy costs and carbon footprint Hot Standby Economy Mode available
- Compact & Reliable 208VAC or 480VAC models with internal batteries allows for smaller footprint. Cooler operation extends internal component life
- AC Input Performance High input power factor of 0.99. Low input current distortion of < 1% (THDi) @ full load. Soft Start Power walk-in function that ensures progressive rectifier start-up



## Staco UniStar & S/V Series - Single Phase UPS



### Staco V



### Staco SV

#### Staco V & SV Series 120/120 VAC Universal Tower/Rack Mount

A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer center servers, telecom applications, as well as for industrial applications.

**The Staco V** features a field-proven Digital Signal Processor (DSP) achieving high reliability, while providing protection from electrical power disturbances to the connected load. The convertible tower/rack design offers maximum flexibility, enabling UPS integration into a wide variety of environments. Industry-leading functionality is standard and includes hot swappable battery, powerful internal charger, emergency shut-down and programmable receptacles. The Staco V is an ideal power protection solution for servers, networks, telecommunications, industrial equipment, and manufacturing processes. XL Models are for those critical applications that require extended battery backup times.

**The Staco SV** features a field-proven Digital Signal Processor (DSP) achieving high reliability, while providing protection from electrical power disturbances to the connected load. Industry-leading functionality is standard and includes hot swappable battery, powerful internal charger, emergency shut-down and programmable receptacles. XL Models are for those critical applications that require extended battery backup times.

#### Staco UniStar VP Tower & Rack Mount UPS (6 & 10 kVA)

##### On-line, Single-phase - Parallel Redundant UPS System

- Power range and runtime scalability
- Full-time Digital Signal Processor Control
- LCD/LED mimic panel n Easy-to-set user personalization
- Up to 98% energy efficiency
- Continuous power conditioning, even when not running on battery
- Smooth, uninterrupted switching from utility power to battery mode, and back again
- Wide fluctuations in utility power are handled without going to battery
- Parallel up to three units for added capacity or redundancy, using a simple connection on the rear panel without additional cabinets
- Unlike most UPSs in this size range, the UniStar® VP has a very low rate of added and reflected harmonics, which protects the integrity of your entire electrical system



### Staco VP



## Staco Minuteman - Single Phase UPS

### Endurance UPS Series (1, 1.5, 2, 3 kVA) – Tower/Rack

Single-phase, high density, double conversion On-Line UPS Series. Light and compact with **advanced lithium battery technology**.

Designed to protect the most sensitive IT and business infrastructure against the worst power environments. Continuous power conditioning with no signal transfer time, pure sine wave output. Wide variety of installation options to create the perfect power protection solution. 5-year product warranty, including batteries.



### Endeavor 5-10kVA UPS Series – Tower/Rack

The Endeavor 5-10kVA is a high-density, double-conversion online UPS series providing unparalleled power protection for critical IT and business infrastructure. With a unique multi-color touchscreen panel for easy management and monitoring, this UPS offers a wide range of installation options and is ideal for servers, networks, industrial applications.

#### Key Features & User Benefits

- True double-conversion online tech
- Independent Battery Bypass (IBB)
- Cold start function
- DSP design
- 120/208V output models
- Automatic internal bypass
- Multi-function, color LCD touchscreen
- USB and RS-232 communication options
- REPO Port
- 3-year standard product warranty
- Optional 5-year warranty options available
- RoHS2 and Energy Star 2.0 compliant
- Platinum Protection Plan®
- High power factor (0.9pf)
- Smart fan control



### Endeavor 6/10 kVA Tower UPS

The Minuteman® Endeavor® 6/10kVA Tower Series UPS combines transient free, pure sine wave output and extended runtime capability for critical applications. A front panel LCD display provides visual notification of the UPS status, including AC input status, battery status, and UPS fault indication.

#### Ultra-Configurable Value for Large Systems

The Endeavor Series is available in two models with configuration options and multiple voltage configurations to ensure a proper solution is available for most applications.

#### Typical Applications

- Network Data Centers
- Security Systems
- Highly-sensitive Equipment
- Education Networks
- Remote Network Closets
- Telephone and VOIP
- DAS and Small Cell Systems

