

# Eaton Power Xpert 9395 High Performance UPS

675–1100 kW/kVA



Eaton Power Xpert 9395 High Performance UPS

## Lowest total cost of ownership in the industry

- Energy Saver System (ESS) provides 99 percent efficiency without compromising reliability, by suspending power modules when double conversion is not required
- Up to 97 percent double-conversion efficiency results in lower operational costs
- No less than 96 percent efficiency at loads down to 15 of UPS capacity when utilizing Variable Module Management System (VMMS)
- >33 percent less heat helps reduce HVAC costs
- 10 percent more power in the same footprint allows you to power 10 percent more IT racks for \$3000-\$52,000 savings/month\*
- Complete isolation of output power from all input power anomalies allows the UPS to deliver 100 percent conditioned, perfect sine-wave output
- The Easy Capacity Test feature recirculates energy within the UPS for testing, eliminating the cost of renting load banks, and minimizing energy costs for burn-in testing

\*quantified determining revenue per server



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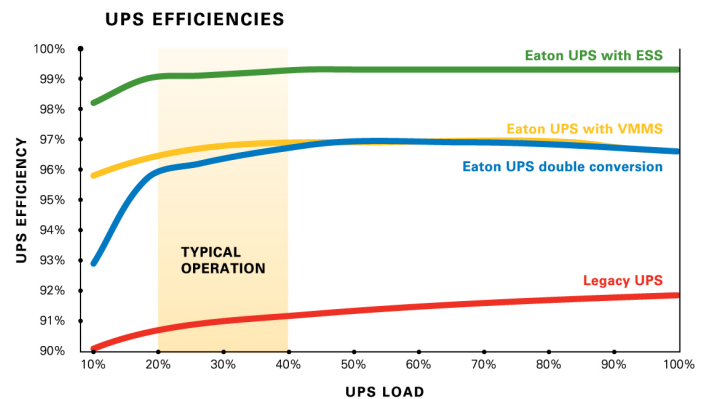
## High reliability and robust manageability

- Provides unity power factor plus capabilities, which allows the UPS to supply the reactive current for non-power factor corrected loads without the need for derating
- When at or below 50-75 percent capacity, the 9395 high performance uninterruptible power modules (UPMs) automatically act as N+1 redundant systems, saving the cost and space required for separate redundant UPS and battery systems
- Handles up to 0.9 leading load power factors without de-rating UPS capacity
- HotSync® patented load-sharing technology enables parallel operating of static converters without communication for sync or loadshare signals
- At-a-glance detection of power module status with optional LED lights

## Scalability and flexibility

- Number of power modules per UPS can be specified, so capacity can flex to match the data center's growth
- Layout can be chosen to suit installation, such as back-to-back, L-shaped, integrated into switchgear
- Preferred bypass topology can be specified (centralized or distributed) and additional modules can be added as power load increases
- Centralized multi-module paralleled 9395 systems are supported by the Eaton System Bypass Module (SBM)
- More than 90 percent of materials used can be recycled, decreasing end-of-life impact

Eaton offers industry-leading efficiency: 99 percent in ESS, up to 97 percent in double conversion, and not less than 96 percent at loads down to 15 percent with VMMS.



## ESS: How is it different than Eco mode?

- **Instantaneous action:** Less than two milliseconds transition time makes the UPS reaction time invisible to IT loads
- **Integral surge suppression:** ESS provides transient suppression within the UPS – loads are protected from lightning events, even in ESS
- **Fault discrimination:** In a short circuit condition, the UPS detects the location of a fault (upstream or downstream), and reacts appropriately and instantly to protect the critical load

Technical information subject to change



An Eaton Green Solution

# Technical specifications:

## UPS rating (unity power factor 1.0)

kVA	675	750	825	1000	1100
kW	675	750	825	1000	1100

## General characteristics

Efficiency	99% in Energy Saver System (ESS) (up to 97% in double conversion)
Parallel capability	4 UPS units maximum for distributed bypass and 8 UPS units maximum with SBM
Max modules per size	Up to 4 modules, 825/1100 kVA
Audible noise	As low as 75dBA @ 1 meter*
Altitude (max)	2000m at 40°C (104°F)
N+1 redundancy capable	Yes
Field upgradeable	Yes
System bypass module	Included

## Input characteristics

Voltage	480V standard
Voltage range	+10% / -15%
Frequency range	45-65 Hz
Power factor	0.99 (minimum)
Input current distortion	<3.5% (no input filter required)
Soft start capability	Yes
Internal backfeed protection	Yes

## Output characteristics

Voltage	480V standard
Regulation	±1%
Inverter	PWM with IGBT switching
Voltage THD	<2% (100% linear load); <5% (non-linear load)
Load power factor range	Up to a .9 power factor leading without derating

## Battery

Battery types	VRLA, AGM, wet cell
Battery voltage	480V
Temperature compensation	Optional
Charging method	ABM technology or float, selectable

## Dimensions and weights

675, 750, 825 kW kVA	141"w x 34.4d x 74"h	5236 lbs (2375 kg)
675, 750, 825 kW kVA +1 redundant	170.1w x 34.3d x 74"h	6523 lbs (2959 kg)
1000, 1100 kW kVA	170.1w x 34.3d x 74"h	6523 lbs (2959 kg)
Field upgrade module, 275 kVA/kW	29"w x 34.4"d x 74"h	1037 lb (470 kg)

## General characteristics

Control panel (LCD)	10-inch Color Touchscreen with LED panel
Battery startup	Standard
Frequency conversion	Standard
Multi-language	Standard
Building alarm inputs	5 (galvanic isolated)

\*Assumes operation in nominal voltage, no battery charging and <60% load

## Options

External maintenance bypass
PDU, RPP and STS
Maintenance bypass module, matching cabinet, 2/3/4 breaker
DC disconnects
Human Machine Interface (HMI) designs for monitoring of connected equipment
65 or 100 kAIC input breakers
LED lights for at-a-glance status of UPM

## Certifications

Safety	UL1778, cUL
EMC	IEC 62040-2, C3 limits
Energy Star	Qualified

## Communications

Software compatibility: Software and Power Xpert Reporting  
Communications cards: Four communication bays standard. The following connectivity options can be installed at any time:

- PXGX-UPS card
- ModBus RTU card
- AS/400 Relay card
- Industrial Relay card
- Powerware HotSync CAN Bridge card
- Environmental Monitoring Probe (included)

Remote inputs/outputs: Five building alarm inputs and one summary alarm contact (5A @ 120V) standard

Remote monitor panel: Eight backlit status indicator lamps plus an audible horn

1. Due to continuing improvements, specifications are subject to change without notice.

