Eaton 9395XR UPS

Complete modular data center solution

Lithium-ion Compatible

- Lithium
- Energy Aware
- Modular 125kW
- Efficiency >97%

Powering Business Worldwide

9395XR Features and Benefits

The Eaton 9395XR UPS combines unprecedented efficiency and reliability with an eye-catching design. A space-saving, scalable and flexible device that's as easy to deploy as it is to manage, it's the perfect three-phase white or grey space solution for today's data center.

Extra Low TCO
(Total Cost of Ownership)

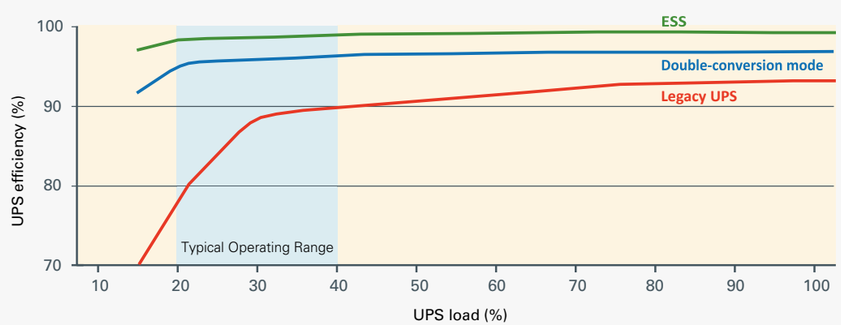
Conserves valuable data center floor space with its compact footprint and internal redundancy design.

Reduces cost and unexpected future growth risks with its vertical scalability, enabling you to scale as you grow.

Reduces power and cooling OPEX through industry-leading energy-efficiency.

- **99% efficiency with Energy Saver System (ESS)**
- >***97%*** efficiency in double-conversion mode

The 9395XR's vertical scalability, internal redundancy and compact footprint design



Your UPS cost will be recovered in 3 years' time thanks to the significant energy savings in Eaton ESS/ double conversion efficiency.

Calculate your 9395XR savings with ESS at **Eaton.com/ESS.**

Designed for Data Center requirements

Compact Size

1.5MW only takes 1.44m^2 space. Halves the foot print of 93PR 1.2MW. Over 1MW per square meter sets new industry standards.

A Cable entry
Top and bottom cable entry available

B Communications and connectivity
- Built-in device and host USB
- Five alarm inputs and dedicated EPO
- Alarm relay output
- Three connectivity/ communication slots

C 125kW HOTSWAPPABLE power modules
Hot swap UPM could be insert or remove when UPS is running to make sure service continuity.

D Flexible Exhaust options
Support both top and rear exhaust. Could be placed against wall when top exhaust installed.

E DC start controls
Available in each power module

F Redundancy and speed controllable fans

G 7"Color display

Next level Ease of service

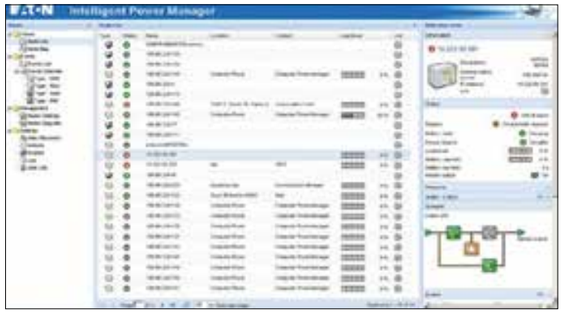
- On-line replaceable **UPM** , MTTR as low as 5 mins
- Robust components using **oil-filled capacitors & Full SiC MOSFET** modules
- Perfect integration with Lithium battery, compatible with multiple **Lithium-ion** BMS
- **Predict Plus*** – remote monitoring and predict the failure of power components

Enhanced efficiency and reliability with SIC MOSFET Module

Long life oil-filled capacitor

Easy management

Red light bars showing alerts on system. Yellow light bars indicate battery and bypass status.



Intelligent Power Manager® (IPM) is a world class power management software platform. It seamlessly monitors power and environmental conditions while providing business continuity for workloads using VMware®, Citrix® and Microsoft® platforms. IPM also optimizes power and environmental conditions for data centers using OpenStack® or HPE OneView®.

Provides easier access to detailed status information through its large, user-friendly LCD touchscreen interface

With the 9395XR's graphical LCD interface you can track stats on energy savings, battery time, outage tracking, load profiling and much more.

The green/yellow/red LED light-bars make system status visible from a distance in data centers.

Integrates with the leading virtual platforms through its full suite of power management and connectivity software

Designed for the most advanced IT environments, the 9395XR supports optional communication cards that allow remote access via the HTTP(S), SNMP, MODBUS

TCP/IP, Modbus RTU and BACnet IP protocols. In addition, Eaton's Power Xpert® software and Intelligent Power® Software Suite give you all the tools you need to manage power devices in your physical or virtual environment. Learn more at **Eaton.com/intelligentpower.**

Increases uptime through its 24x7 remote monitoring and reporting capabilities

Eaton's PredictPulse™ remote monitoring and management service provides real-time monitoring of the 9395XR and alerts service technicians to take necessary measures when a problem is detected. Learn more at Eaton.com/Predict Pulse.

Connectivity options:

Power Xpert Gateway Minislot UPS Card
Industrial Relay Card - MS
Industrial Gateway Card
Gigabit Network Card (Network-M3)
SNMP

Connectivity Cards

Lithium-ion battery

Power on demand

Eaton's lithium-ion battery systems provide a reliable and flexible solution that ensures 24/7 system uptime while delivering significant total-cost-of- ownership (TCO) savings. Capable of providing mega-watts of power in a small footprint, this battery solution comprises of lightweight battery strings designed to seamlessly connect to a Power Xpert™ 9395XR UPS.

Why lithium?

Lithium-ion chemistry demonstrates superior characteristics in UPS applica- tions, this results in high energy density, long life, flexible installation, improved cycle life and a lower TCO.

Backup battery runtimes

Contact Eaton for backup times and configurations. A wide range of runtimes from 3 minutes to an hour + are available.

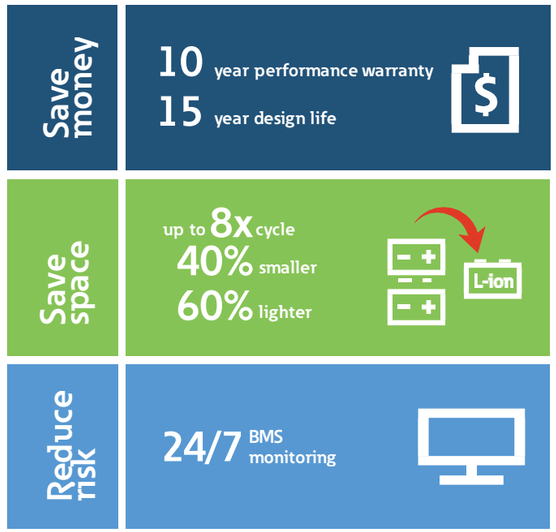
Management and monitoring system

The lithium-ion battery integrates a powerful battery management system (BMS), providing cell protection (temp, current, over/under voltage), cell balancing, state of charge and health and alarms/ reports.

Protection: The BMS processes critical parameters such as voltage levels, temperature, and current at the module and solution levels. Abnormal conditions (warnings and alarms) are quickly detected and, if necessary, the BMS will protect the system from damage by disconnecting the affected battery.

Performance optimization: The BMS incorporates cell and module balancing controls. This function optimizes the voltages of each module to maximize performance and increase service life.

Benefits of lithium-ion



EnergyAware upgrade

With Eaton's EnergyAware kits upgrade, UPS with lithium battery can do much more beyond UPS.

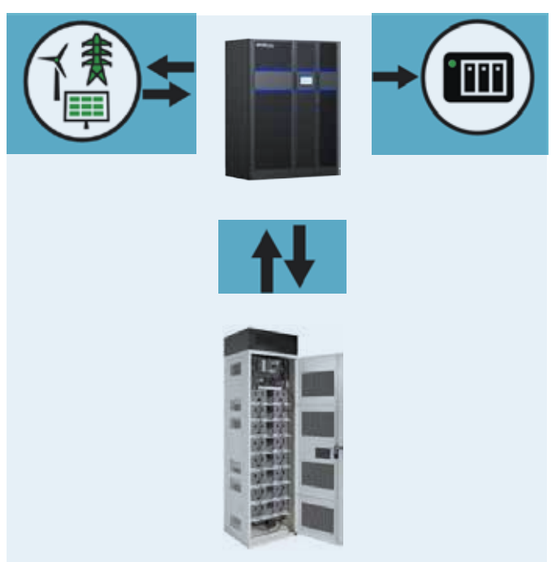
Demand charge management
User avoids demand charges by discharging at peak times.

Time-of-use optimization
Shifts energy consumption to avoid peak energy usage.

Demand response
Utility company requests reduction in power usage.

Frequency regulation
Charge or discharge battery on command to stabilize the grid.

Aggregation services
Manage multiple assets in a building or campus to work as a single entity.



For more information, please visit
Eaton.com/Lithium
Eaton.com/EneragyAware

EATON 9395XR UPS TECHNICAL SPECIFICATIONS*

Power modules			
Power offering (kW)	125kW UPM		
Frame options			
Frame Offering	1500 / 1800 / 2500kW		
General characteristics			
Efficiency in Energy Saver System (ESS)	Up to 99%		
Efficiency in double-conversion mode	>97%		
Parallel capability	4 x parallel, maximum 6MW		
Cold start	Supported		
Softstart	Rectifier ramp up, compatible with generator, ramp up rate configurable		
Input characteristics			
Voltage	380/400/415V		
Voltage range:	301~478V L-L, 175~276V L-N		
Frequency range	50/60 Hz		
Power factor	> 0.99		
Input current distortion	< 3% @ 100% load capacity		
Battery			
Battery Type	Lithium, VRLA, Ni-Cad		
Charging method	BMS, ABM or constant float charge		
Battery Voltage	400 – 690 Vdc		
Battery Connection	Support common battery		
Output			
Voltage	380/400/415V 4 Wires, 3 Wires		
Frequency range	50/60 Hz		
Regulation	±1% steady state		
Voltage THD	< 1% (100% linear load), < 3% (non-linear load)		
Overload	125% 10 mins		
Certification			
Safety	IEC62040-1		
EMC	IEC62040-2		
Performance	IEC62040-3		
Certificate	CE		
Optional accessories			
• SNMP Card • X-Slot Modbus RTU Card • INDRELAY-MS Card	• Network-M2 • INDGW-M2 • PXGMSUPS Card	• External Sync Control Box • Lithium battery cabinet • Top exhaust kits	
UPS dimensions (mm)			
	1500kW	1800kW	2500kW
Height	2069	2069	2069
Depth	865 (rear exhaust) 1100 (top exhaust)	865 (rear exhaust) 1100 (top exhaust)	1100 (rear and top exhaust)
Width	1600	2400	3200
UPM dimensions (mm)			
Height	174		
Depth	600		
Width	598		
Weight (kg)			
UPM	55		

* Due to continuous improvement, specifications are subject to change without notice.

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Learn more at
Eaton.com/9395XR

Powering Business Worldwide

Authorised Distributor

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