

Eaton 93PM 400 kW UPS

Efficient. Scalable. Innovative.

The Eaton® 93PM 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 solution for today's mission critical applications.

Lowest TCO (total cost of ownership)

- Conserve valuable floor space with the compact footprint, internal battery back-up and optional internal maintenance bypass
- Grow effortlessly with the vertical scalability, reducing cost and unexpected future growth risks
- Reduce power and cooling OPEX through industry-leading energy efficiency
 - 99 percent efficiency with Energy Saver System (ESS)
 - Up to 97 percent efficiency in double-conversion mode

Easy deployment

- Provides flexible configurability, maximizing deployment flexibility

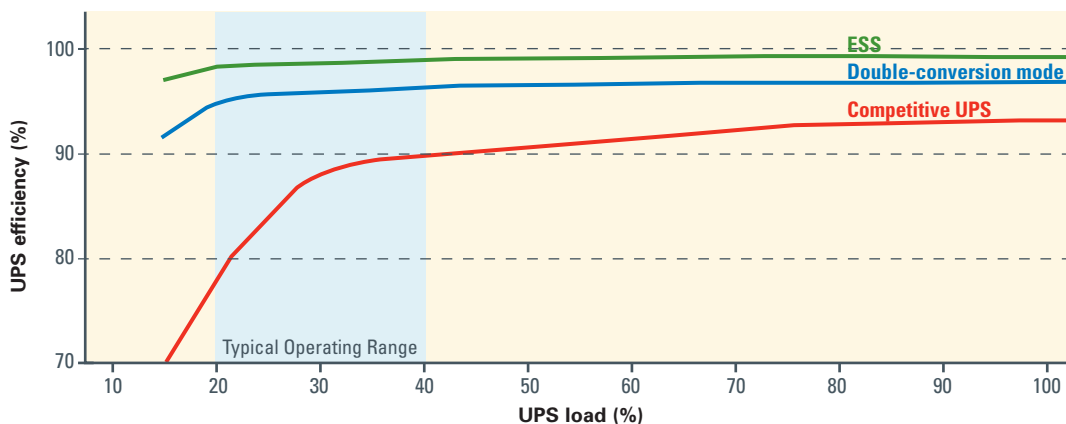
Easy management

- Track statistics on energy savings, battery time and outages, profile your load and much more with the friendly graphical LCD touchscreen interface
- View system status from a distance with the green/yellow/red LED light bars

Advanced monitoring and communications

- Supports optional communication cards that allow remote access via the HTTP(S), SNMP, MODBUS TCP/IP, Modbus RTU and BACnet IP protocols
- Manage your power devices in your physical or virtual environment with Eaton's Power Xpert® software and Intelligent Power Software Suite

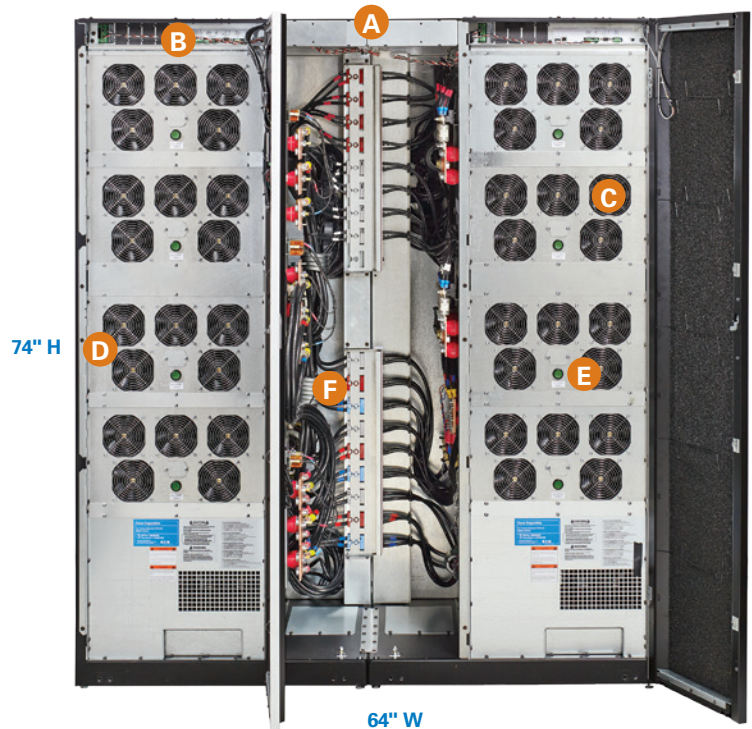
Eaton 93PM efficiency in double-conversion and ESS



The 93PM ESS energy cost savings pay for the UPS in less than 3 years. Calculate your 93PM savings with ESS at Eaton.com/ESS.

The functional core of the 93PM UPS

- A Cable entry**
Top and bottom cable entry options available
- B Communications and connectivity**
 - Built-in device and host USB
 - Five alarm inputs and dedicated EPO
 - Alarm relay output
 - Four communication slots
- C Serviceable redundant fan assembly**
Contained within each power module
- D Replaceable power modules**
(50 kW) with independent control and power
- E Soft start controls**
Contained within each power module
- F Input/output connections**



Open front view of 400 kW unit

Eaton 93PM UPS technical specifications*

Power modules for 50 kW frame

Power offering (kW)	100, 150, 200, 250, 300, 350, 400 (optional internal redundancy available)
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General characteristics

Efficiency in Energy Saver System (ESS)	99%
Efficiency in double-conversion mode	Up to 97%

Input characteristics

Voltage	480V
Voltage range	+10% / -15%
Frequency range	50/60 Hz
Power Factor	> .99
Input current distortion	< 3% @ 100% load capacity

Output

Battery

Battery voltage	432V, 480V
Charging method	ABM® or float technology

Output

Voltage	480V
Regulation	±1% steady state
Voltage THD	<1% (100% linear load); <5% (non-linear load)
Load power factor range	.8 leading to .8 lagging without de-rating

Certification

Safety	UL1778, cUL
EMC	FCC Part 15 subpart B class A
Surge	IEC 61000-4-5

UPS dimensions

Height	74"
Depth	42"
Width	64"

*Due to continued improvements, specifications are subject to change.

Learn more at:
Eaton.com/93PM

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