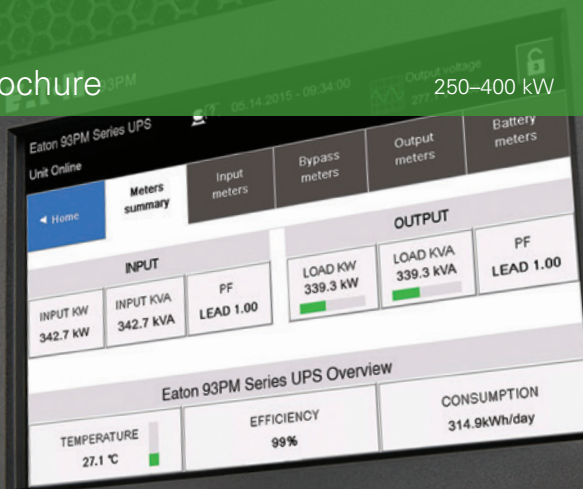


Product brochure



# Eaton 93PM 400 kW UPS

Efficient. Scalable. Innovative.

The Eaton® 93PM UPS combines 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

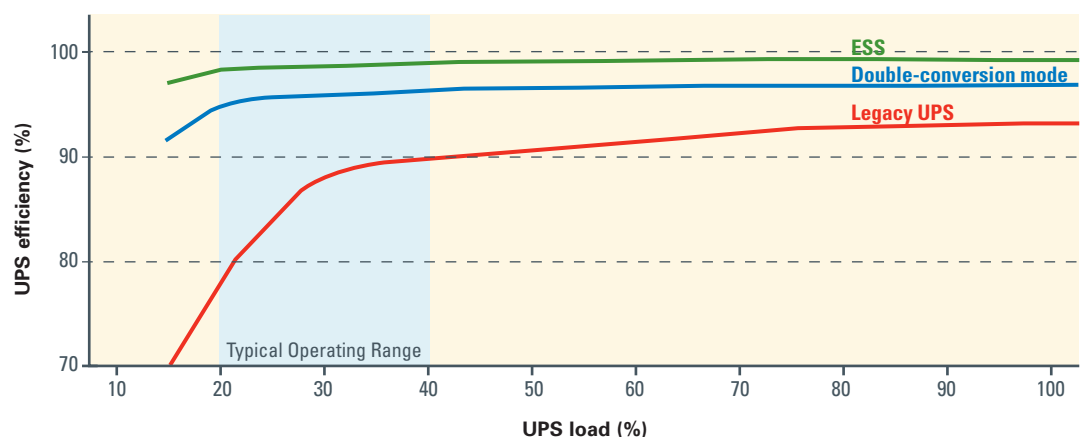
## Easy management

- 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
- Increase uptime through 24x7 remote monitoring and reporting capabilities using Eaton's PredictPulse™ service that alerts technicians during critical events and results in faster resolutions when a problem is detected; learn more at [Eaton.com/PredictPulse](http://Eaton.com/PredictPulse)

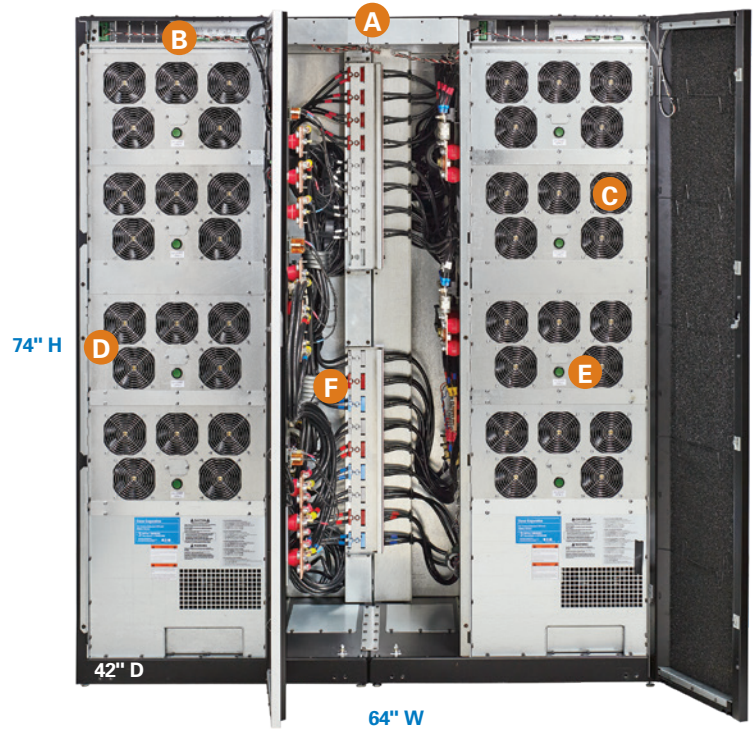
Eaton 93PM efficiency in double-conversion and ESS



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](http://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 Swappable 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%
Height x depth x height	74" x 42" x 64"

### Input characteristics

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

### 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	Unity with the ability to support 0.8 leading to 0.8 lagging without de-rating

### Certification

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

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

Learn more at:  
**Eaton.com/93PM**

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