Eaton 93PM 400 kW UPS


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

Eaton 93PM efficiency in double-conversion and ESS

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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** Swappable power modules (50 kW)
with independent control and power

**E** Soft start controls
Contained within each power module

**F** Input/output connections

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**EATON 93PM UPS TECHNICAL SPECIFICATIONS**

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

**Power modules for 50 kW frame**

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<th>Power offering (kW)</th>
<th>100, 150, 200, 250, 300, 350, 400 (optional internal redundancy available)</th>
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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

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**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

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Learn more at: Eaton.com/93PM

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