Eaton 93PM 120 kW UPS

Efficient. Scalable. Innovative.

The Eaton® 93PM UPS combines high 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.
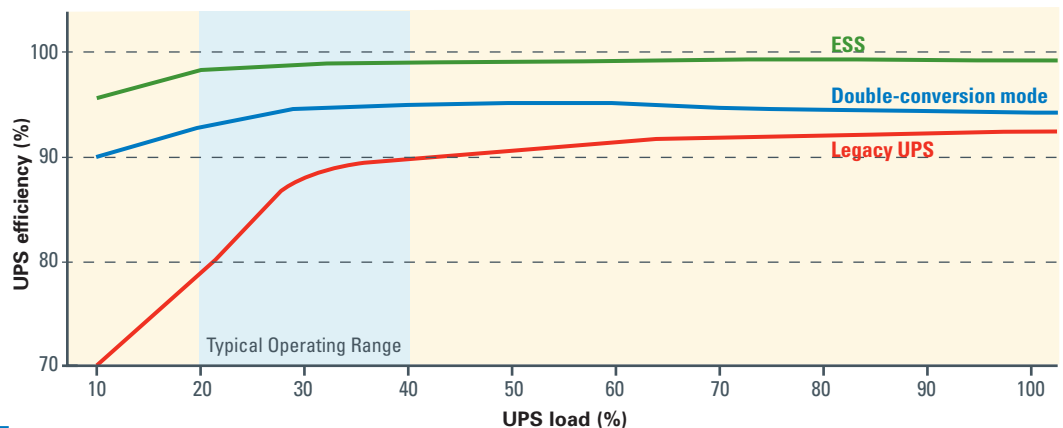
Lowest TCO (total cost of ownership)

- Conserve valuable data center floor space with the compact footprint and optional maintenance bypass

- Grow effortlessly with vertical scalability, reducing cost and unexpected future growth risks

- Reduce power and cooling OPEX through industry-leading energy efficiency

  – Up to 99 percent efficiency with Energy Saver System (ESS)

  – Up to 95 percent efficiency in double-conversion mode

Easy deployment

- Provides flexible configurability

- Includes swappable technology to scale in minutes and minimize downtime

Eaton 93PM efficiency in double-conversion and ESS

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
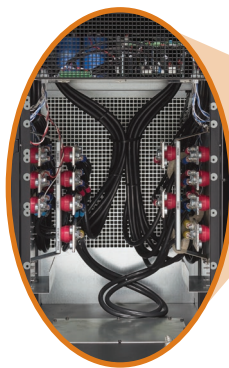
Advanced IT integration

- Supports optional communication cards that allow remote access via the HTTP(S), SNMP, MODBUS TCP/IP, Modbus RTU and BACnet IP protcols

- 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**

Powering Business Worldwide

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 **Top cable entry**
Comes with sidecar/maintenance bypass options (sidecar option is required for top cable entry)

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

C **Color touchscreen LCD interface**

D **Serviceable fan assembly**

E **Swappable (replacement) power modules** (20 kW) with independent control and power

F **Soft start controls**

G **Static switch assembly**

H **Input/output connections**

74"H

42"D

22"W

Open front view of the unit

Front view

- Up to 99% ESS efficiency
- Up to 95% double-conversion efficiency

Eaton 93PM UPS technical specifications*

Power modules for 120 kW frame

Power offering (kW)	10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, 105, 110, 115, 120 kW with optional internal N+1 redundancy through 100 kW

General characteristics

Efficiency in Energy Saver System (ESS)	Up to 99%
Efficiency in double-conversion mode	Up to 95%
Parallel capability	Four distributed

Input characteristics

Voltage	208V or 220V 3-phase 4-wire
Voltage range	+15%/-15% @ 208V, +10%/-15% @ 220V
Frequency range	50/60 Hz
Power factor	> .99
Input current distortion	≤ 3.5% @ 100% load capacity
Battery voltage	480V
Charging method	ABM® or float technology

Output

Voltage	208V or 220V 3-phase 3-wire or 4-wire
Frequency range	50/60 Hz
Regulation	±1% steady state
Voltage THD	<1.6% (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	UL 1778, cULus
EMC	FCC Part 15 subpart B class A
Surge	IEC 61000-4-5

Optional accessories

- External slim maintenance bypass
- Integrated power distribution cabinet
- Integrated battery cabinet (small and large)

Due to continued improvements, specifications are subject to change.

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

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