

Eaton 93PM 60 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.

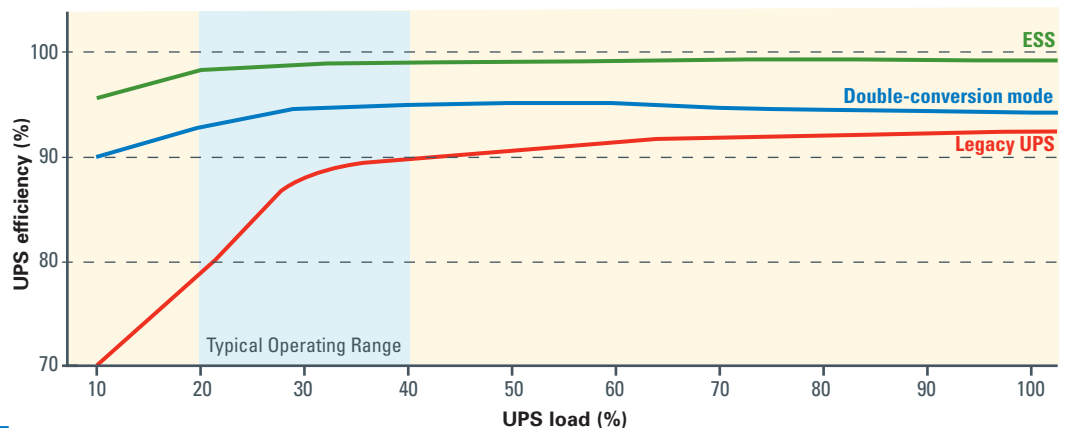
Lowest TCO (total cost of ownership)

- 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 98.5 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



Powering Business Worldwide

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 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

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 Bottom cable entry

Bottom cable entry is standard with top cable entry available via optional sidecar

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 Swappable power modules (20 kW)

with independent control and power

E Internal battery DC disconnect

F Internal batteries

G Static Switch assembly

H Input/output connections

Battery "torpedo" pack with cover



Battery "torpedo" pack without cover

74"H



Open front view of the unit

Front view

- Up to 98.5% ESS efficiency
- Up to 95% double-conversion efficiency

Eaton 93PM UPS technical specifications*

Power modules for 60 kW frame

Power offering (kW)	10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 kW with optional internal N+1 redundancy through 40 kW
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General characteristics

Efficiency in Energy Saver System (ESS)	Up to 98.5%
Efficiency in double-conversion mode	Up to 95%
Parallel capability	Four distributed
Height x depth x width	74" x 42" x 22"

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

Battery voltage	480V
Charging method	ABM® or float technology
Internal batteries	2, 3, or 4 strings available

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

- Integrated 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](https://www.eaton.com/93PM)