



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.

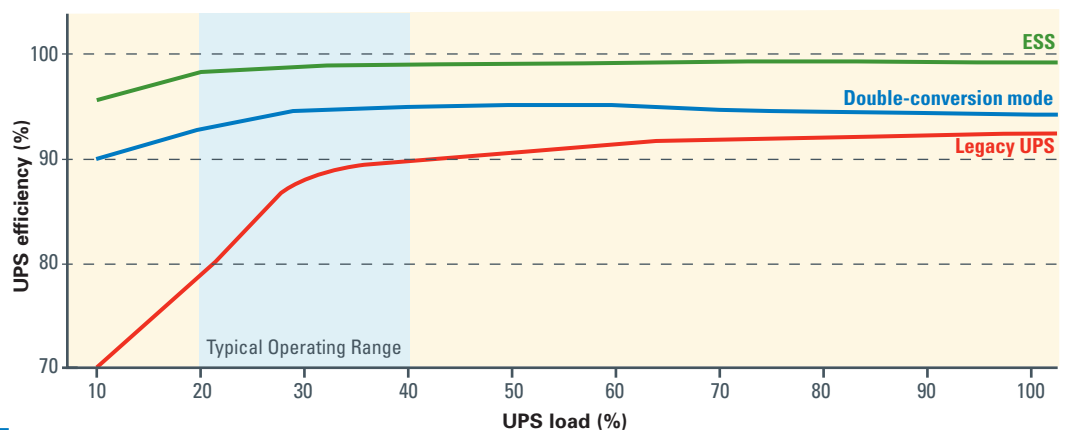
Lowest TCO (total cost of ownership)

- 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, but available with sidecar/maintenance bypass options 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 Swappable (replacement) 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 |
|---------------------|---|

General characteristics

| | |
|---|------------------|
| Efficiency in Energy Saver System (ESS) | Up to 98.5% |
| 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

| | |
|--------------------|------------------------------|
| 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

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

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

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Learn more at: Eaton.com/93PM

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