Eaton 93PM 120 kW UPS


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

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  Serviceable fan assembly

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

F  Soft start controls

G  Static switch assembly

H  Input/output connections

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 98.5%
Efficiency in double-conversion mode Up to 95%
Parallel capability Four distributed, up to 400 kW
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

Output

Voltage 208V or 220V 3-phase 3-wire or 4-wire
Frequency range 50/60 Hz
Regulation ±1% steady state
Voltage THD <1.8% (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