



ИБП Eaton 93E 80 kva (93E80KMBSN) - Eaton 93E ИБП мощностью 15-80 kVA - Информационная бр

Постоянная ссылка на страницу: <https://eaton-power.ru/catalog/eaton-93e/eaton-93e-80-kva/>

Eaton 93E UPS

15/20/30/40/60/80 kVA



Eaton 93E 15-80 kVA

Advanced power protection for:

- Financial services
- Building management
- Telecommunications
- Industrial automation equipment
- Healthcare
- Government
- Data centres



Double conversion UPS

Simply effective power protection

- Double conversion provides the highest level of protection available by isolating the output power from all input anomalies.
- With a transformer-free design and sophisticated sensing and control circuitry the 93E UPS delivers an efficiency of up to 98%.
- Active power factor correction (PFC) provides unbeatable 0,99 input power and <5% ITHD, thus eliminating interference with other critical equipment in the same network and enhancing compatibility with generators.
- The UPS is optimized for protecting modern 0,9 p.f. rated IT equipment without the need to oversize.

True reliability

- Eaton's patented HotSync technology makes it possible to parallel up to 4 UPSs in capacity or in redundancy.
- ABM testing and charging cycle helps you to prevent battery problems and in addition lessens corrosion prolonging battery servicelife up to 50%.
- Equipped with a backfeed contactor – no need for additional installments

Extensive configurability

- The 93E offers up to 30% smaller footprint compared to competitive UPS offerings.
- A multilingual graphical LCD display makes possible to monitor the UPS status easily.
- Wide software and connectivity options provide monitoring, management and shutdown capabilities over the network.
- Connectivity options are available to suit nearly any communication requirements, from standard serial communications to secure remote monitoring over the Web.

Cost savings and sustainability

- A new technical platform used in Eaton's three-phase UPS products guarantee easy upgrades, low MTTR, similarity on service trainings and documentation, thus lowering total cost of ownership.
- Equipped with internal maintenance bypass for safe and easy serviceability.
- A range of service agreement options can be easily customized for customers' needs and budget.



Powering Business Worldwide

Eaton 93E UPS 15-80 kVA Technical Specifications

Power

| | | |
|-----------------------------------|--|--|
| UPS output power rating (0.9 p.f) | 15 kVA/13.5 kW 30 kVA/27 kW 60 kVA/54 kW | 20 kVA/18 kW 40 kVA/36 kW 80 kVA/72 kW |
| Topology | Double-conversion online UPS | |
| Operating frequency | 50/60 Hz (40 to 72 Hz) | |
| Input power factor | >0.99 typical | |
| Input current distortion | ≤5% THD | |

Electrical input

| | | |
|------------------------------|--|--|
| Input wiring | 3 ph + neutral | |
| Nominal input voltage | 220/380, 230/400, 240/415 V 50/60 Hz | |
| Input voltage range | -15%, +20% from nominal (400 V) at 100% load | |
| Power walk-in | Yes | |
| Internal backfeed protection | Yes | |

Electrical output

| | | |
|---------------------------------------|---|--|
| Internal maintenance bypass | Yes | |
| Output wiring | 3 ph + neutral | |
| Nominal voltage rating (configurable) | 220/380, 230/400, 240/415 V 50/60 Hz | |
| Output voltage regulation | ±1% Static; <5% dynamic at 100% resistive load change, <20 ms response time | |
| Overload on inverter | 10 min 102-125% load 1 min 126-150% load 500 ms >151% load | |
| Overload when bypass available | Continuous <115% load, 20 ms 1000% peak current. Note! External bypass fuses may limit the overload capability | |

Battery

| | | |
|------------------------|---|--|
| Battery | 384 V (32 x 12 V, 192 cells) for 15-40 kVA with internal batteries 384 V - 480 V for 15-80 kVA with external batteries | |
| Charging method | ABM Cyclic Charging | |
| Charging current/Model | 15 20 30 40 60 80 kVA | |
| Default | 3.5 3.5 5.2 7 10.4 15.6 A | |
| Max* | 5.3 5.3 8 10.6 16 24 A | |

*May be limited by maximum UPS input current rating

General

| | | |
|----------------------------------|---|--|
| Efficiency | Up to 98% High-efficiency mode Up to 94% Double-conversion mode | |
| Parallel technology | Powerware Hot Sync® Technology | |
| Dimensions W x D x H (mm) | 500 x 710 x 960 15-20 kVA (with internal battery) 500 x 710 x 1230 30 kVA (with internal battery) 500 x 710 x 1500 40 kVA (with internal battery) 600 x 800 x 1876 60-80 kVA | |
| Cabinet rating | IP20 with standard washable dust filters | |
| Weights without internal battery | 72 kg 15/20 kVA 88 kg 30 kVA 120 kg 40 kVA 202 kg 60 kVA 245 kg 80 kVA | |
| Weights with internal battery | 272 kg 15/20 kVA 376 kg 30 kVA 490 kg 40 kVA | |

Communications

| | |
|----------------------|-----------------------------------|
| Display | Graphical LCD with blue backlight |
| LEDs | (4) LEDs for notice and alarm |
| Audible alarms | Yes |
| Communication ports | (1) RS-232, (1) USB, (1) EPO |
| Communication slots | (2) Mini-slot communication bays |
| Relay inputs/outputs | Three Signal inputs |

Environmental

| | |
|-----------------------|---|
| Operating temperature | 0 °C to +40 °C |
| Storage temperature | -25 °C to +55 °C without batteries +15 °C to +25 °C with batteries |
| Relative humidity | 5-95%, non-condensing |
| Audible noise | 15-20 kVA ≤55 dBA at 1m typical 30-40 kVA ≤62 dBA at 1m typical 60-80 kVA ≤65 dBA at 1m typical |
| Altitude | 1000 m without derating (max 2000 m) |

Compliance with standards

| | |
|-----------------------|-----------------------------------|
| Safety (CB certified) | IEC 62040-1 |
| EMC | IEC 62040-2, EMC Category C3 |
| Performance | IEC 62040-3 |
| Quality | ISO 9001: 2000 and ISO 14001:1996 |

Accessories

| |
|--|
| External battery cabinets |
| External maintenance bypass switch |
| MiniSlot connectivity (Web/SNMP, ModBus/Jbus, Relay) |
| Environmental monitoring probe |

Due to continuous product improvements, specifications are subject to change without notice.

For more information visit: eaton.eu/93E