

# Eaton 9E UPS

1kVA/2kVA/3kVA/6kVA/10kVA/15kVA/20kVA



Eaton 9E range



LCD display for clear information on the UPS' status and measurements

#### Advanced protection for:

- Infrastructure
- Industrial and Medical IT
- Networking
- Storage
- Telecom



#### Essential Online UPS

##### Reliability and performance

- The Eaton 9E constantly monitors power conditions and regulates voltage and frequency due to the online double conversion topology.
- Power more servers than most similar UPSs due to a 0.8 power factor.
- Trust a leading manufacturer with decades of experience and high quality standards: CE compliance certified by external agency (CB report from the TUV).

##### Manageability

- Get clear information on the UPS' status and measurements (load level, battery level, input/output voltage and frequency) on a single screen with the new LCD interface.
- Easily communicate with the UPS through USB, RS232 serial or over the network with the optional network card (Network-M2). Relay cards or ModBus cards are also available.
- Eaton 9E is compatible with Eaton IPM Editions Software which permits to integrate all major operating systems, leading virtualisation environments and cloud orchestrations tools.

##### Flexibility

- The internal bypass allows service continuity in case of an internal fault. A maintenance bypass is also available as standard for easy maintenance of the UPS without powering down critical systems.
- Make your installation more flexible with a combo input (3:1 and 1:1) on the 10kVA, 15kVA, and 20kVA.
- Extend runtime as you like by adding up to 4 external battery modules (EBM). For extra-long runtime, XL models with internal supercharger are also available at 3kVA, 10kVA and 20kVA.



Powering Business Worldwide

# Eaton 9E UPS

- 1 LCD Interface:  
Clear information on UPS  
status and measurements
- 2 1 USB port + 1 serial port
- 3 Slot for management card



Eaton 9E, front view

Eaton 9E, rear view

- 4 Input/Output connections
- 5 External battery module  
(EBM) connection
- 6 Casters

| TECHNICAL SPECIFICATIONS                                 | 1KVA                                                                                 | 2KVA            | 3KVA/3KVA XL                 | 6KVA 1:1                                                           | 10KVA 1:1 AND 3:1     | 15KVA 1:1 AND 3:1     | 20KVA 1:1 AND 3:1     |
|----------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------|------------------------------|--------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|
| Rating (VA/W)                                            | 1kVA/0.8kW                                                                           | 2kVA/1.6kW      | 3kVA/2.4kW                   | 6kVA/4.8kW                                                         | 10kVA/8kW             | 15kVA/12kW            | 20kVA/16kW            |
| Format                                                   | Tower                                                                                |                 |                              |                                                                    |                       |                       |                       |
| Electrical Characteristics                               |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| Technology                                               | Online double conversion                                                             |                 |                              |                                                                    |                       |                       |                       |
| Input voltage                                            | 208/220/230/240V                                                                     |                 |                              | 220/230/240V                                                       |                       |                       |                       |
| Input voltage range without using batteries              | 176-300V without derating (up to 100-300V with derating)                             |                 |                              | 176-276V without derating (up to 110-276V with derating)           |                       |                       |                       |
| Output voltage/THDU                                      | 208V*/220V/230V/240V ±1%, THDU: <2%                                                  |                 |                              | 220V/230V/240V ±2 %, THDU<3%                                       |                       |                       |                       |
| Input frequency range                                    | 40Hz-70Hz, 50/60 Hz autoselection                                                    |                 |                              | 45Hz-66Hz, 50/60Hz autoselection                                   |                       |                       |                       |
| Efficiency                                               | Up to 91% in Online mode                                                             |                 |                              | Up to 93% in Online mode, 97% in ECO mode                          |                       |                       |                       |
| Overload capacity                                        | 105%-130% : 60s, 130%-150% : 10s, >150% : ≥ 300ms                                    |                 |                              | 105%-110% : 5min, 110%-130% : 1min, 130%-150% : 10s, >150% : 100ms |                       |                       |                       |
| Connections                                              |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| Input                                                    | IEC C14                                                                              | IEC C14         | IEC C20                      | Terminal block                                                     |                       |                       |                       |
| Outputs                                                  | 4 x IEC C13                                                                          | 6 x IEC C13     | 6 x IEC C13<br>+ 1 x IEC C19 | Terminal block                                                     |                       |                       |                       |
| Typical backup times at 50% and 75% load**               |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| 9E                                                       | 12/5 min                                                                             | 16/10 min       | 13/7 min                     | 20/12 min                                                          | 15 min                | 16 min                | 15/9 min              |
| 9E + 1 EBM                                               |                                                                                      | 79/48 min       | 49/32 min                    | 75/47 min                                                          | 60/36 min             | 38/26 min             | 27/19 min             |
| 9E + 4 EBM                                               |                                                                                      | 243/173 min     | 173/110 min                  | 222/140 min                                                        | 170/110 min           | 117/76 min            | 82/54 min             |
| Communication                                            |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| Communication ports                                      | 1 USB port + 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously) |                 |                              |                                                                    |                       |                       |                       |
| Communication slot                                       | 1 slot for Network M2, ModBus-MS or Relay-MS cards                                   |                 |                              |                                                                    |                       |                       |                       |
| Software                                                 | Eaton IPM Editions Software                                                          |                 |                              |                                                                    |                       |                       |                       |
| Operating conditions, Standards and Approvals            |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| Operating temperature                                    | 0 to 40°C                                                                            |                 |                              |                                                                    |                       |                       |                       |
| Noise level                                              | <37 dB @ typical load                                                                |                 |                              | <55dB @ typical load                                               |                       |                       |                       |
| Safety                                                   | IEC/EN 62040-1                                                                       |                 |                              |                                                                    |                       |                       |                       |
| EMC, Performance                                         | IEC/EN 62040-2                                                                       |                 |                              |                                                                    |                       |                       |                       |
| Approvals                                                | CE, CB report (TUV) / EAC                                                            |                 |                              |                                                                    |                       |                       |                       |
| Dimensions D x H x W / Weight                            |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| UPS Dimensions (mm)                                      | 356 x 228 x 144                                                                      | 399 x 330 x 190 | 399 x 330 x 190              | 612.9 x 708.5 x262.4                                               | 612.9 x 708.5 x262.4  | 706 x 815.5 x 350     | 706 x 815.5 x 350     |
| UPS Weight (kg)                                          | 9.5                                                                                  | 22.4            | 24.2                         | 68                                                                 | 85.4                  | 145.3                 | 159.9                 |
| EBM dimensions (mm)                                      | -                                                                                    | 399 x 330 x 190 | 399 x 330 x 190              | 579.4 x 708.5 x 262.4                                              | 579.4 x 708.5 x 262.4 | 579.4 x 708.5 x 262.4 | 579.4 x 708.5 x 262.4 |
| EBM weight (kg)                                          | -                                                                                    | 35.8            | 35.8                         | 105.5                                                              | 132                   | 132                   | 132                   |
| UPS with supercharger (and no batteries) dimensions (mm) | -                                                                                    | -               | 399 x 330 x 190              | -                                                                  | 612.9 x 708.5 x 262.4 | -                     | 706 x 815.5 x 350     |
| UPS with supercharger (and no batteries) weight (kg)     | -                                                                                    | -               | 7.9                          | -                                                                  | 28.9                  | -                     | 47.8                  |
| Customer Service & Support                               |                                                                                      |                 |                              |                                                                    |                       |                       |                       |
| Warranty                                                 | 2 years                                                                              | 2 years         | 2 years                      | 1 year                                                             | 1 year                | 1 year                | 1 year                |

\* 10% derating @ 208V.

\*\* Backup times are approximate and may vary with equipment, configuration, battery age, temperature, etc.

| PART NUMBERS                                | 1KVA                                    | 2KVA    | 3KVA/3KVA XL | 6KVA 1:1 | 10KVA 1:1<br>and 3:1 | 15KVA 1:1<br>and 3:1 | 20KVA 1:1<br>and 3:1 |
|---------------------------------------------|-----------------------------------------|---------|--------------|----------|----------------------|----------------------|----------------------|
| UPS                                         | 9E1000I                                 | 9E2000I | 9E3000I      | 9E6Ki    | 9E10Ki               | 9E15Ki               | 9E20Ki               |
| EBM                                         | -                                       | 9EEBM72 | 9EEBM72      | 9EEBM180 | 9EEBM240             | 9EEBM480             | 9EEBM480             |
| UPS with supercharger<br>(and no batteries) | -                                       | -       | 9E3000IXL    | -        | 9E10KiXL             | -                    | 9E20KiXL             |
| Options                                     | Network-M2, ModBus-MS or Relay-MS cards |         |              |          |                      |                      |                      |

In the interests of continuous product improvement, all specifications are subject to change without notice.